



Sears, Roebuck and Co., Chicago

**Originators of the Guarantee that
Stands the test in the Scales of Justice**

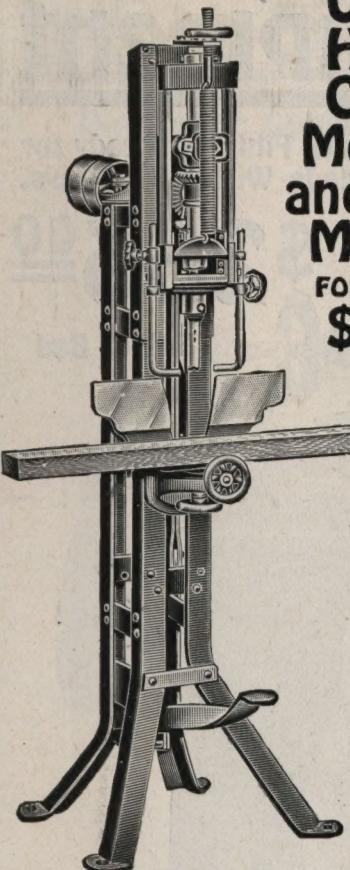
Hardware

THIS Hardware Catalog is made up of pages taken from our big General Catalog No. 138. This explains why references are sometimes made to pages not found in this Hardware Catalog. In order to show a complete line of lathes and drills, we have included a few pages not found in our Big Catalog.

WE REQUIRE cash with order. The best ways to send money are in the form of an express money order, postoffice money order, a bank draft, your personal check or currency in a registered letter.

To find what you want see the index on pages 1114A to 1117A.

Freight and Express Rates Are on Pages 1112A and 1113A.



Upright Hollow Chisel Mortising and Boring Machine

FOR POWER ONLY
\$56⁰⁰

In wagon and woodworking shops where there is a considerable amount of mortising and heavy boring required, this machine will enable you to turn out the work in half the time. The upright mortising and boring features enable the operator to see exactly what he is doing without bending over the work. Saves time and enables the operator to turn out better and more accurate work. Makes mortises from $\frac{1}{4}$ inch up to as large as required by repeating the cuts, and up to 3 inches deep.

Mortises can be made at any angle up to 45 degrees. A machine that will give good service and is guaranteed to be satisfactory in use.

DESCRIPTION.

Frame. 2-inch angle steel, securely bolted together.

Bedplate tilts to 45 degrees and is adjustable to and from the stand, and will take in 3 inches to center of bit.

Chuck takes hollow chisel bits from $\frac{1}{4}$ to $\frac{5}{8}$ inch and boring bits with $\frac{1}{2}$ -inch round shank from $\frac{1}{4}$ to 2 inches.

Foot Treadle gives powerful positive pull, forcing hollow chisel or boring bit into the wood.

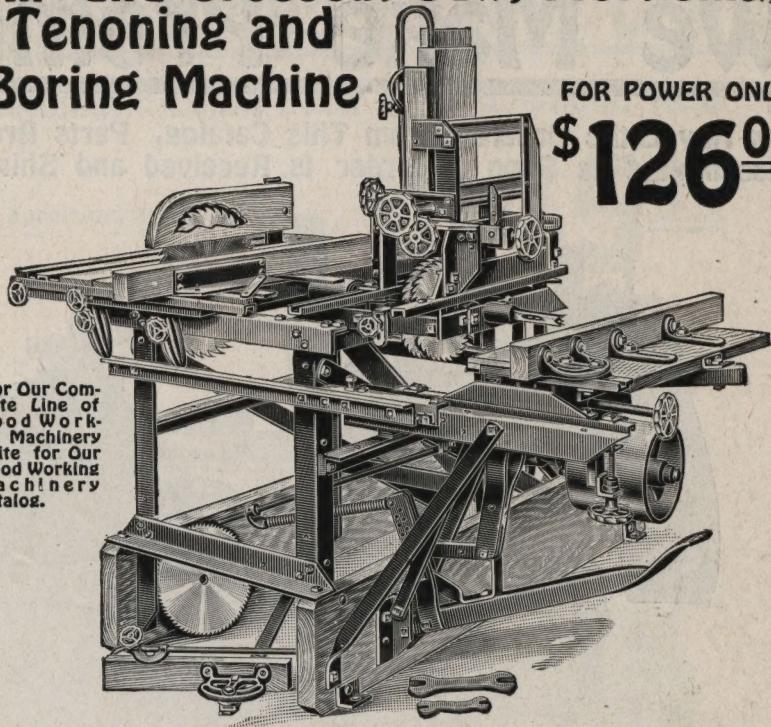
Shipped direct from factory at CINCINNATI, OHIO.

Shipping Weight	Approx. Floor Space Width	Tight and Loose Pulley	Speed	Power
185 lbs.	1 foot 10 inches by 2 feet	5-in. diameter by 3-in. face	900 R. P. M.	1 to $\frac{1}{2}$ H. P.

No. 99R8128 $\frac{1}{2}$ Upright Hollow Chisel Mortising and Boring Machine, as illustrated and described, with one $\frac{3}{8}$ -inch hollow chisel and bit and one $\frac{1}{2}$ -inch boring bit. Price, complete..... **\$56.00**

Rip and Crosscut Saw, Mortising, Tenoning and Boring Machine

FOR POWER ONLY
\$126⁰⁰



For Our Complete Line of Wood Working Machinery Write for Our Wood Working Machinery Catalog.

A large number of carpenters and cabinetmakers who are making a specialty of screen frames, special doors, cupboards, furniture and fine cabinet work that requires a mortise for putting together, have long felt the need of a low priced mortising and tenoning machine. This machine will make mortises from $\frac{1}{4}$ inch up and cut both sides of the tenon in one operation. Turns out clean, accurate work of a uniform size, and has close adjustment, which insures the tenon fitting snug into the mortise. This machine is fully guaranteed to turn out satisfactory work.

DESCRIPTION.

Frame. Heavy 2-inch angle steel, securely bolted together. 2x10-base timbers, 5 feet long, set 2 feet apart.

Saw Table. Heavy angle and channel steel, ground to a uniformly level and true surface. Height, 2 feet $\frac{9}{16}$ inches; width, 27 inches; overhangs base on left side $\frac{1}{2}$ inches. Length, 3 feet. Table is hinged at back to raise or lower for regulating depth of cut. Has opening for a 14-inch saw which will cut up to 5 inches deep.

Tenoning Attachment. Cuts tenons up to $\frac{1}{4}$ inches wide and up to $\frac{3}{4}$ inches deep. Thickness of tenon is regulated by collars placed between the saws. Material is held firmly in place by hand wheel clamps. Has side adjustment for cutting tenon the desired distance from the face of the material, and vertical adjustable stop for gauging the length of tenon.

Shipped direct from factory at CINCINNATI, OHIO.

Hollow Chisel Mortising and Boring Attachment. Takes mortising chisels from $\frac{1}{4}$ to $\frac{5}{8}$ inch and boring bits with $\frac{1}{2}$ -inch round shank. Makes mortises from $\frac{1}{4}$ inch up, and up to 3 inches deep. Furnished with one $\frac{3}{8}$ -inch hollow chisel mortising bit and one $\frac{1}{2}$ -inch boring bit.

Rip Guide. Adjustable for ripping any width up to 22 inches. Has wood spring for holding down material.

Crosscut Guide slides in milled groove. Has angle adjustment of 45 degrees and adjustable stop for cutting to lengths.

Saw Mandrel. Double ended, $\frac{1}{4}$ -inches in diameter, $\frac{37}{64}$ inches long; right and left hand threads—left end, $\frac{41}{64}$ inches long; right end, $\frac{5}{8}$ inches long. Takes saws with 1-inch hole.

Shipped direct from factory at CINCINNATI, OHIO.

No. 99R8126 $\frac{1}{2}$ Rip and Crosscut Saw, Mortising, Tenoning and Boring Machine, as illustrated and described, with one 12-inch rip saw, one 10-inch crosscut saw and one 4-inch belt. Price, complete..... **\$126.00**

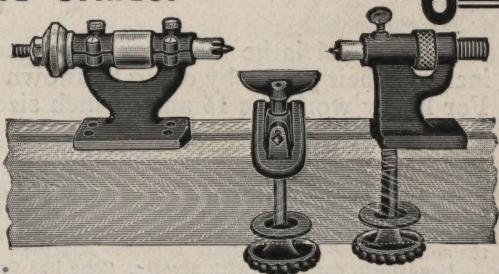
6-Inch Swing Combination Lathe Set and Grinder

\$6⁸⁰

This Combination Lathe Set and Grinder is an excellent machine for light and medium work. It is very durable and as strong as any lathe of its capacity offered by anyone. The working parts are accurately made and carefully fitted. These sets are priced very low and are good value, as they do excellent work and are not easily gotten out of order.

This set consists of headstock with flanges for holding emery wheel, tailstock with adjustable sleeve, spur center, cup center, tool rest and socket, hand nuts, washers and oil cups. Spindle is steel, $\frac{5}{8}$ -inch diameter in bearings, $\frac{1}{2}$ inch between flanges, with provision to take up wear. Bearings are $1\frac{1}{2}$ inches long. Takes emery wheel $6\times\frac{3}{4}$ inch with $\frac{1}{2}$ -inch hole. Lathe swings 7 inches. Belt pulley for $1\frac{1}{4}$ -inch belt. Set consists of metal parts only. Wood bed not included. Shipped from our CHICAGO STORE and may be included with other goods. Shipping weight, about 12 pounds.

No. 99R5633 Price, including machine bolts for attaching..... **\$6.80**



Power Hack Saw

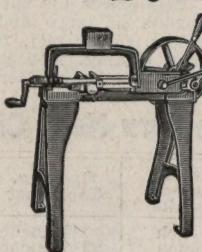
OUR PRICE
\$27⁰⁰

Will cut bars up to 4 inches square and is provided with gravity feed. Cuts flats, squares and rounds; wide range of feed enables even hard steel to be cut off square. Machine is especially suitable for cutting off shafting, light architectural iron, etc., up to its capacity. Stroke of saw blade, 6 inches; length, 12 inches. Size of pulley, $13\frac{1}{2}\times2\frac{1}{2}$ inches. Speed of pulley, 60 revolutions per minute. Price includes six 12-inch blades. Shipping weight, about 140 pounds.

No. 99R5620 Without belting..... **\$27.00**

Starrett's Power Hack Saw Blades. Length, 12 inches; 14 teeth to inch, $\frac{3}{4}$ inch wide. Shipped from our CHICAGO STORE. Weight, about $1\frac{1}{4}$ pounds.

No. 9R5020 Per dozen..... **\$1.20**



Countershaft for Above Set
\$4.50



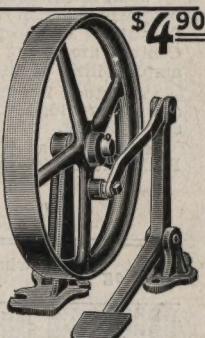
With 8x 2-in. drive pulley, $3\frac{3}{8}$ x $1\frac{1}{4}$ -inch tight and loose pulleys and $\frac{1}{2}$ -inch shaft. Shipped from our CHICAGO STORE. Shipping weight, about 35 pounds.

No. 99R5621 Price, including lag screws and washers for attaching..... **\$4.50**

Foot Wheel

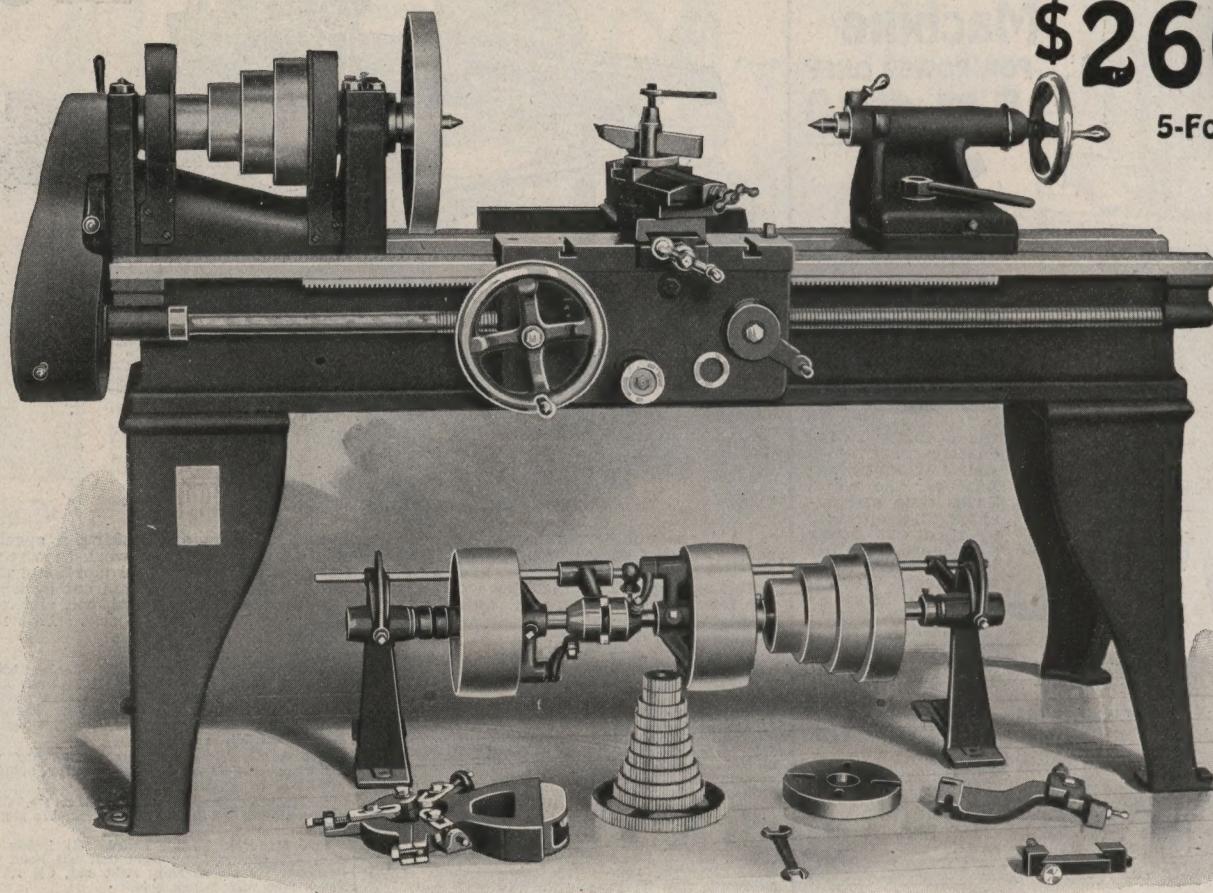
\$4⁹⁰

Especially designed for driving above combination lathe set, but is well adapted for running any other light machinery. Size wheel, $1\frac{1}{2}$ in. with $2\frac{1}{4}$ -in. face. Screws furnished for fastening to floor. Shipped from our CHICAGO STORE. Shipping weight, about 60 pounds. **No. 99R5640** Price, **\$4.90**



We Make Prompt Shipment

On Any Lathe Ordered From This Catalog. Parts Are in Stock at Factory Finished Ready for Assembling as Soon as Order Is Received and Shipment Is Usually Made Within Ten Days.



\$266⁰⁰

5-Foot Bed

13-Inch Expert Screw Cutting Engine Lathe Automatic Longitudinal Feed, Automatic Cross Feed and Compound Rest

Equipment Furnished as Illustrated.

A practical lathe for the garage and small machine shop. Blacksmiths and automobile repair men can increase their profits by doing their own lathe work. For medium size work we recommend our 18-inch lathes. For heavy work the 15 and 16-inch sizes will prove more satisfactory.

SPECIFICATIONS.

Bed is rigid. Cross ribbed by heavy box braces cast in at short intervals throughout its entire length. Has three V's and one flat way for guiding headstock, tailstock and carriage. Rack is of steel cut from the solid bar.

Headstock, equipped with reverse. Cone has four steps for 1½-inch belt which, with back gears, gives eight changes of spindle speed. Spindle is of special carbon steel with ¾-inch hole its entire length. Centers are No. 3 Morse taper. Bearings are phosphor bronze with ample oiling facilities and are adjustable for wear.

Tailstock is offset to allow compound rest to swivel parallel to bed and is provided with set-over for turning taper. Tailstock center is self ejecting.

Carriage has T slots for clamping work for milling and boring. Both automatic cross feed and automatic longitudinal feed are oper-

ated from front of apron and but one feed can be engaged at a time. Both feeds are driven by the splined lead screw and work so that the thread of the lead screw is used for screw cutting only.

Thread Cutting. Lathe is indexed to cut standard threads from 4 to 40, right or left, including 11½ pipe thread.

Graduation. Compound rest is graduated in degrees. Cross feed screw has graduated micrometer collar reading in one-thousandths of an inch.

Equipment (as shown in illustration) is included in the price and consists of large and small face plates, compound rest, two steel centers, center rest, follower rest, change gears, adjustable stop for screw cutting, feed gears, gear guards, necessary wrenches and a double friction countershaft.

Shipped Direct From Factory Near Chicago.

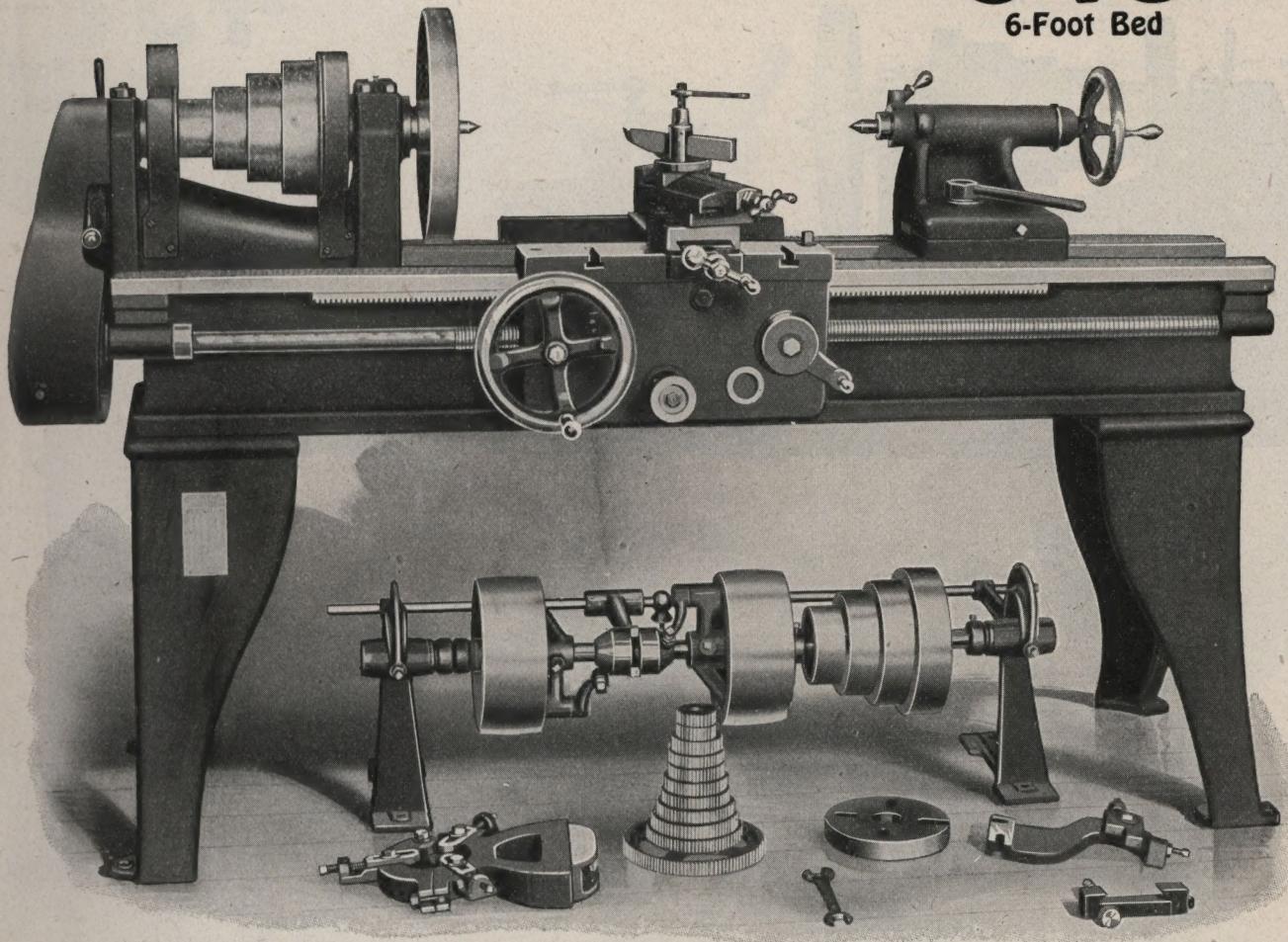
Catalog No.	Swing Over Bed	Length of Bed	Distance Between Centers	Swing Over Carriage	Hole Through Spindle	Opening, Tool Post	Countershaft Speed	Size of Friction Pulley	Shipping Weight	Price
99R8203½	13½ inches	5 feet	33 inches	9 inches	¾ inch	1½x1⅛ inches	225 R. P. M.	8x2½ in.	925 pounds	\$266.00
99R8204½	13½ inches	6 feet	45 inches	9 inches	¾ inch	1½x1⅛ inches	225 R. P. M.	8x2½ in.	975 pounds	\$280.00

15-Inch Expert Screw Cutting Engine Lathe

Automatic Longitudinal Feed, Automatic Cross Feed and Compound Rest

Equipment Furnished as Illustrated.

\$345⁰⁰
6-Foot Bed



A popular size lathe for the machine shop and automobile repair shop. In fact, many manufacturers have found it economical to purchase a 15-inch lathe for their smaller size work, thus leaving their heavier lathes free for their heaviest work.

SPECIFICATIONS.

Bed is rigid. Cross ribbed by heavy box braces cast in at short intervals throughout its entire length. Has three V's and one flat way for guiding headstock, tailstock and carriage. Rack is of steel cut from the solid bar.

Headstock, equipped with reverse. Cone has four steps for 1½-inch belt which, with back gears, gives eight changes of spindle speed. Spindle is of special carbon steel with 1½-inch hole its entire length. Centers are No. 3 Morse taper. Bearings are phosphor bronze with ample oiling facilities and are adjustable for wear.

Tailstock is offset to allow compound rest to swivel parallel to bed and is provided with set-over for turning taper. Tailstock center is self ejecting.

Carriage has T slots for clamping work for milling and boring. Both automatic cross feed and automatic longitudinal feed are operated

from front of apron and but one feed can be engaged at a time. Both feeds are driven by the splined lead screw and work so that the thread of the lead screw is used for screw cutting only.

Thread Cutting. Lathe is indexed to cut standard threads from 4 to 40, right or left, including 1½ pipe thread.

Graduation. Compound rest is graduated in degrees. Cross feed screw has graduated micrometer collar reading in one-thousandths of an inch.

Equipment (as shown in illustration) is included in the price and consists of large and small face plates, compound rest, two steel centers, center rest, follower rest, change gears, adjustable stop for screw cutting, feed gears, gear guards, necessary wrenches and a double friction countershaft.

Shipped Direct From Factory Near Chicago.

Catalog No.	Swing Over Bed	Length of Bed	Distance Between Centers	Swing Over Carriage	Hole Through Spindle	Opening Tool Post	Countershaft Speed	Size of Friction Pulley	Shipping Weight	Price
99R8225½	15½ inches	6 feet	40 inches	10½ inches	1½ inches	9/16x1 1/4 in.	200 R. P. M.	9x3 in.	1,350 lbs.	\$345.00
99R8226½	15½ inches	7 feet	52 inches	10½ inches	1½ inches	9/16x1 1/4 in.	200 R. P. M.	9x3 in.	1,425 lbs.	360.00

READ OUR LIBERAL GUARANTEE ON INSIDE FRONT COVER PAGE.

SEARS, ROEBUCK AND CO.,
CHICAGO.

1021A

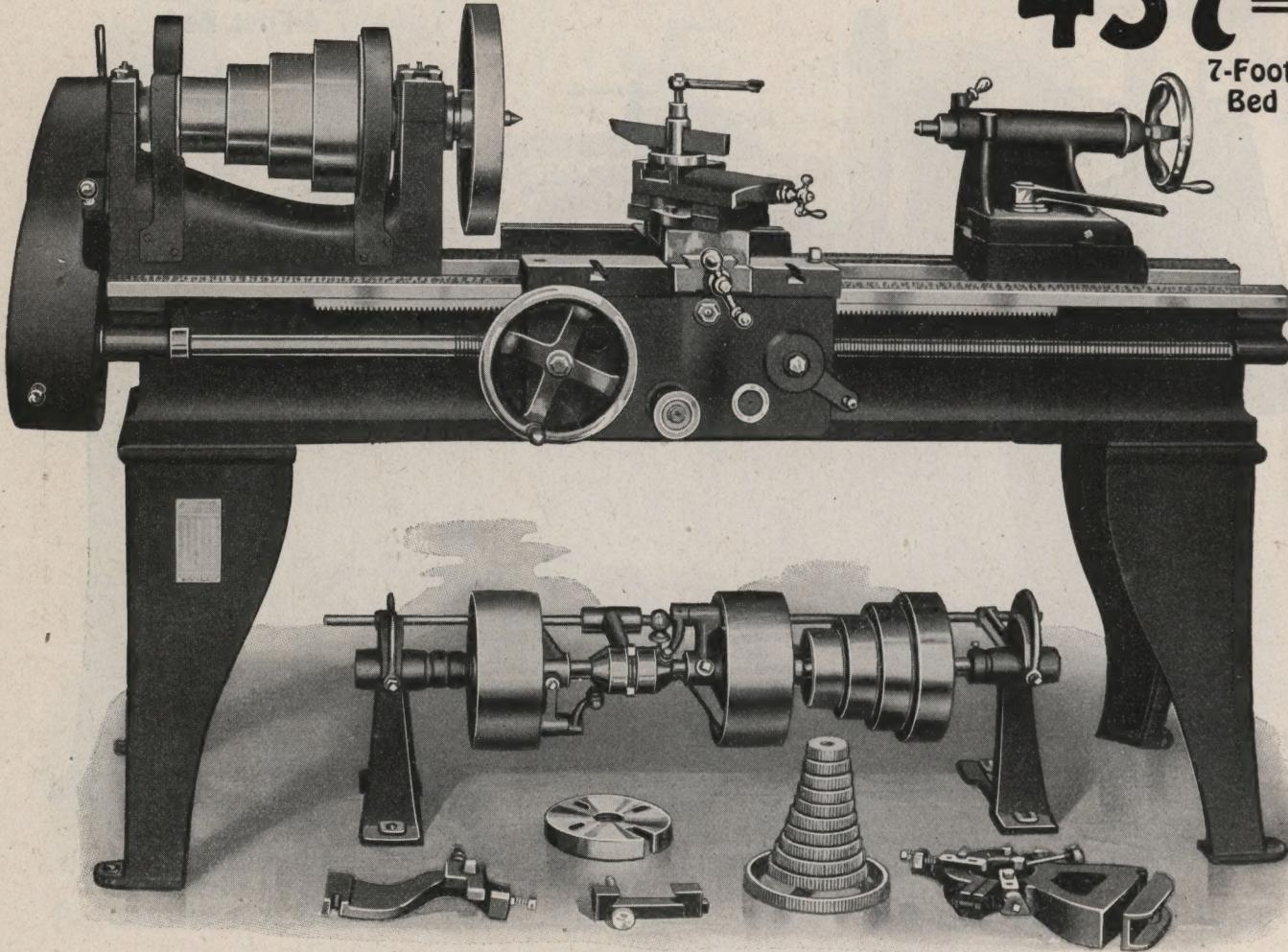
16-Inch Expert Screw Cutting Engine Lathe

Automatic Longitudinal Feed, Automatic Cross Feed and Compound Rest

Equipment Furnished as Illustrated.

\$437⁰⁰

7-Foot
Bed



A heavy, reliable lathe capable of taking care of all the requirements of the average machine shop. Recommended for manufacturing and general all around repair work.

SPECIFICATIONS.

Bed is rigid. Cross ribbed by heavy box braces cast in at short intervals throughout its entire length. Has three Vs and one flat way for guiding headstock, tailstock and carriage. Rack is of steel, cut from the solid bar.

Headstock, equipped with reverse. Cone has four steps for 2-inch belt which, with back gears, gives eight changes of spindle speed. Spindle is of special carbon steel with $1\frac{5}{16}$ -inch hole its entire length. Centers are No. 3 Morse taper. Bearings are phosphor bronze with ample oiling facilities and are adjustable for wear.

Tailstock is off-set to allow compound rest to swivel parallel to bed and is provided with set-over for turning taper. Tailstock center is self ejecting.

Carriage has T slots for clamping work for milling and boring. Both automatic cross feed and automatic longitudinal feed are operated

from front of apron and but one feed can be engaged at a time. Both feeds are driven by the splined lead screw and work so that the thread of the lead screw is used for screw cutting only.

Thread Cutting. Lathe is indexed to cut standard threads from 4 to 40, right or left, including $1\frac{1}{2}$ pipe thread.

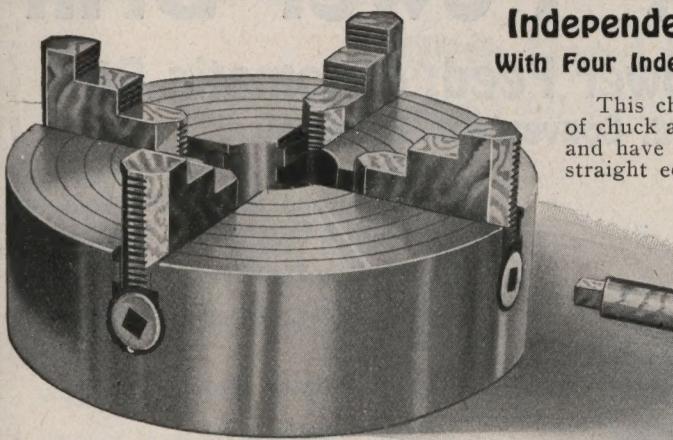
Graduation. Compound rest is graduated in degrees. Cross feed screw has graduated micrometer collar reading in one-thousandths of an inch.

Equipment (as shown in illustration) is included in the price and consists of large and small face plates, compound rest, two steel centers, center rest, follower rest, change gears, adjustable stop for screw cutting, feed gears, gear guards, necessary wrenches and a double friction countershaft.

Shipped Direct From Factory Near Chicago.

Catalog No.	Swing Over Bed	Length of Bed	Distance Between Centers	Swing Over Carriage	Hole Through Spindle	Opening, Tool Post	Countershaft Speed	Size of Friction Pulley	Shipping Weight	Price
99R8229 $\frac{1}{2}$	16 $\frac{1}{4}$ inches	7 feet	48 inches	11 $\frac{1}{2}$ inches	1 $\frac{5}{16}$ inches	$\frac{5}{8} \times 1\frac{3}{8}$ inches	180 R. P. M.	10x3 $\frac{1}{2}$ in.	1,700 lbs.	\$437.00
99R8230 $\frac{1}{2}$	16 $\frac{1}{4}$ inches	8 feet	60 inches	11 $\frac{1}{8}$ inches	1 $\frac{5}{16}$ inches	$\frac{5}{8} \times 1\frac{3}{8}$ inches	180 R. P. M.	10x3 $\frac{1}{2}$ in.	1,800 lbs.	454.00

ACCESSORIES FOR EXPERT LATHES



All Items on This Page Shipped Direct
From Factory Near CHICAGO

Independent Lathe Chucks With Four Independent Reversible Jaws.

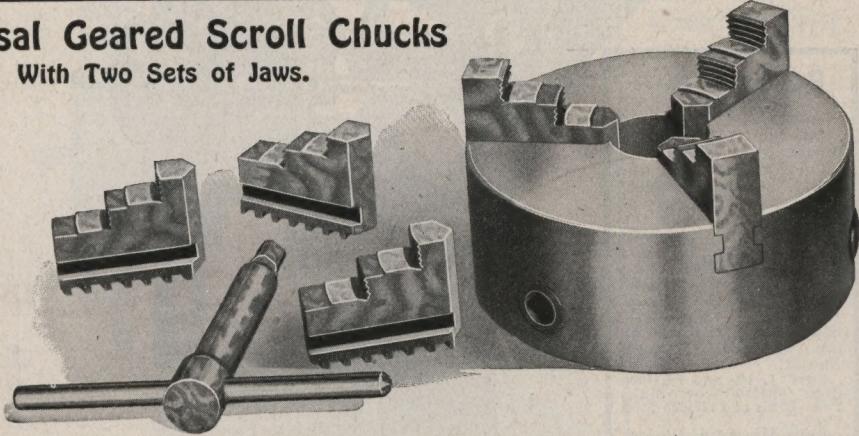
This chuck has four solid jaws with half nut, reversible by running out of chuck at the periphery, and turning end for end. The jaws are hardened and have raised and ground steps. The face of chuck is ground true to straight edge and is accurately graduated in inches. Made with hardened steel bearings for the screws. Price includes chuck, chuck plate and wrench.

As all chucks must be fitted to lathes, we do not accept orders for chucks only. When chucks are ordered with lathe we furnish plate and fit same to both chuck and lathe without extra charge, as per prices below.

Catalog No.	Rated Size of Chuck	Will Hold About	Shipping Weight, About	Price
99R8233 $\frac{1}{2}$ a	4 $\frac{1}{2}$ in.	6 in.	12 lbs.	\$23.75
99R8234 $\frac{1}{2}$ b	6 in.	7 $\frac{1}{2}$ in.	22 lbs.	26.25
99R8235 $\frac{1}{2}$ b	7 $\frac{1}{2}$ in.	9 $\frac{1}{2}$ in.	30 lbs.	30.50
99R8236 $\frac{1}{2}$ c	9 in.	11 $\frac{1}{2}$ in.	41 lbs.	32.65
99R8237 $\frac{1}{2}$ c	10 in.	12 $\frac{1}{2}$ in.	52 lbs.	35.25

Universal Geared Scroll Chucks

With Two Sets of Jaws.



This style of chuck is used for holding round pieces and is strictly a universal chuck, the jaws being moved simultaneously by the scroll threaded plate. Two sets of jaws are furnished with each chuck, as shown in illustration. Jaws are not reversible. Price includes chuck, chuck plate and wrench.

As all chucks must be fitted to lathes, we do not accept orders for chucks only. When chucks are ordered with lathe we furnish plate and fit same to both chuck and lathe without extra charge, as per prices below.

Catalog No.	Rated Size of Chuck	Shipping Wt., About	Price
99R8243 $\frac{1}{2}$ a	4 in.	8 lbs.	\$26.25
99R8244 $\frac{1}{2}$ a	5 in.	12 lbs.	28.65
99R8245 $\frac{1}{2}$ b	6 in.	22 lbs.	32.65
99R8246 $\frac{1}{2}$ b	7 $\frac{1}{2}$ in.	30 lbs.	37.25

Standard Drill Chucks

Hold Round or Square Shanks

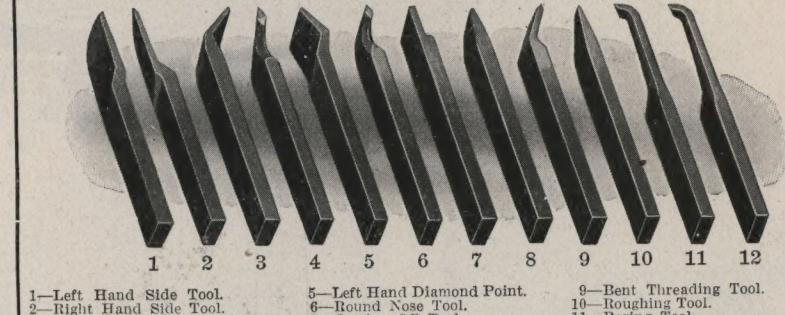


Jaws and screw made of cast steel carefully tempered. The hole in hub is made to fit a taper arbor, the shank of which will fit both head and tail spindles of lathe. Price includes chuck, chuck shank and wrench.

As all chucks must be fitted to lathes, we do not accept orders for chucks only. When chucks are ordered with lathes we furnish chuck shank and fit same to chuck and lathe without extra charge.

Catalog No.	Capacity	Diameter	Shpg. Wt., About	Price
99R8270 $\frac{1}{2}$ a	0 to $\frac{1}{2}$ in.	$\frac{23}{16}$ in.	3 lbs.	\$ 8.50
99R8271 $\frac{1}{2}$ b	0 to $\frac{3}{4}$ in.	$\frac{27}{8}$ in.	4 lbs.	9.75
99R8272 $\frac{1}{2}$ c	0 to 1 in.	$\frac{37}{16}$ in.	5 lbs.	11.75

Forged Steel Lathe Tools



The twelve lathe tools shown above have been selected as the most suitable for all around lathe work. Made of tool steel, carefully forged, hardened, tempered and ground, ready for use.

Catalog No.	For	Size of Steel	Length	Weight of Set, About	Price, Set of 12
99R8251 $\frac{1}{2}$ a	13-In. Lathe	$\frac{1}{2} \times 1$ in.	7 inches	13 lbs.	\$ 9.75
99R8252 $\frac{1}{2}$ b	15-In. Lathe	$\frac{9}{16} \times 1\frac{1}{8}$ in.	8 inches	19 lbs.	15.75
99R8253 $\frac{1}{2}$ c	16-In. Lathe	$\frac{5}{8} \times 1\frac{1}{4}$ in.	9 inches	25 lbs.	17.25

Lathe Dogs

Made of malleable iron with hardened tool steel set screws.

99R8257 $\frac{1}{2}$ —Lathe Dogs. State size wanted.

Size, inches.....	$\frac{1}{4}$	$\frac{1}{2}$	$\frac{3}{4}$	1	$1\frac{1}{4}$
Shipping wt., about, lbs.	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{3}{4}$	1	$1\frac{1}{2}$
Price, each.....	30c	40c	50c	60c	70c
Sizes, inches.....	1 $\frac{1}{2}$	2	2 $\frac{1}{2}$	3	
Shipping wt., about, lbs....	2	3	4	5	
Price, each.....	80c	90c	\$1.00	\$1.10	



20-Inch "Expert" Power Drill

\$169⁰⁰

Back Geared, Power Feed, Automatic Stop
Simple, Strong, Convenient, Economical

A Modern and Serviceable Tool for Any Shop at a Price Within Your Reach.

Designed So That Every Move Counts.

A Carefully Constructed Machine of High Quality.

Finished in Dark Gray Gloss.

DESCRIPTION

Height of drill.....72 inches
Greatest distance between base and spindle.....37 inches
Greatest distance between table and spindle.....25 inches
Travel of spindle.....9 inches
Diameter of spindle in sleeve.....1 $\frac{1}{16}$ inches
Spindle socket.....No. 4 Morse Taper
Drills to center of 21-inch circle.
Diameter of table.....16 inches
Diameter of column.....5 $\frac{5}{8}$ inches
Travel of table on column.....17 inches
Floor space required.....16x45 inches
Diameter bevel pinion.....3 $\frac{1}{8}$ inches
Diameter of crown gear.....5 $\frac{3}{16}$ inches
Size of cone pulleys:

8 $\frac{1}{8}$, 7 $\frac{1}{4}$, 5 $\frac{5}{8}$ and 4x2 $\frac{1}{4}$ -inch face

Length of belt necessary.....12 feet 4 inches

Size of power feed cone pulley:

4 $\frac{1}{16}$, 3 $\frac{1}{16}$ and 2 $\frac{1}{16}$ x1-inch face

Length of belt necessary.....31 $\frac{1}{2}$ inches

Feed of drill per revolution of spindle:

3000, 1 $\frac{1}{1000}$, 5 $\frac{1}{1000}$ inches

Size of tight and loose pulley:

8x2 $\frac{1}{2}$ -inch face

Speed of countershaft.....380 R. P. M.

Horse-power required.....1 $\frac{1}{2}$

Shipping weight, about 800 pounds.

99R8267 $\frac{1}{3}$ —Power Drill, complete as illustrated and described.

Price.....\$169.00

Shipped direct from factory near CHICAGO. Shipment usually made in from 5 to 10 days after order is received.

ACCESSORIES FOR

Standard Drill Chuck and Shank

\$7⁴⁵



9R5650—Standard Drill Chucks. Capacity, 0 to $\frac{1}{2}$ inch; diameter, 2 $\frac{3}{16}$ inches. Weight, about 2 $\frac{1}{2}$ pounds. Shipped from our CHICAGO store.

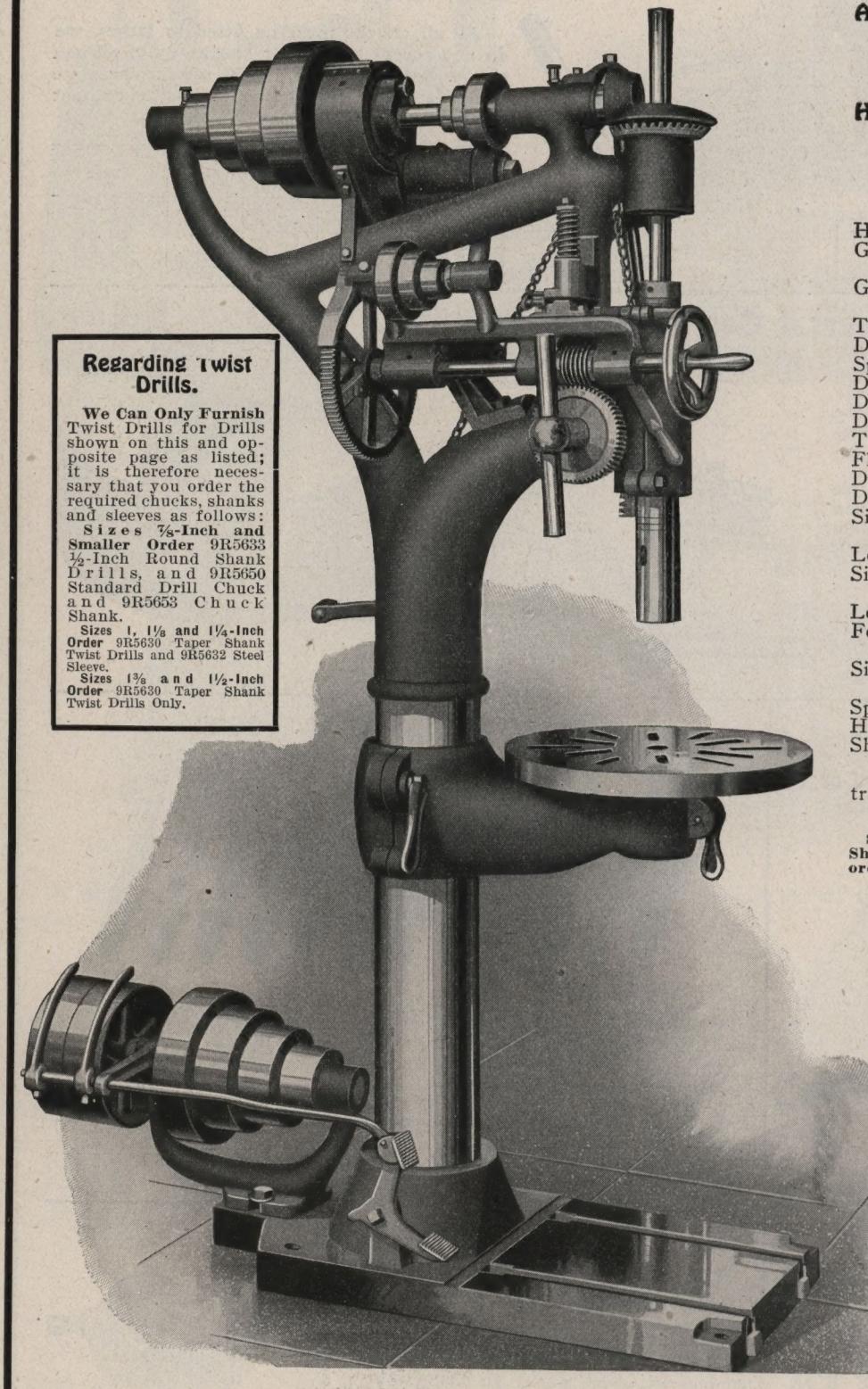
Price for Chuck only, with wrench....\$7.45

\$1⁶⁵



9R5653—Chuck Shank, has No. 4 Morse taper. For fitting Standard Drill Chuck Drill Spindle. Weight, about 1 $\frac{1}{2}$ pounds. Shipped from our CHICAGO store.

Price for Chuck Shank only....\$1.65



Regarding Twist Drills.

We Can Only Furnish Twist Drills for Drills shown on this and opposite page as listed; it is therefore necessary that you order the required chucks, shanks and sleeves as follows:

Sizes $\frac{7}{8}$ -Inch and Smaller Order 9R5633
 $\frac{1}{2}$ -Inch Round Shank Drills, and 9R5650 Standard Drill Chuck and 9R5653 Chuck Shank.

Sizes 1, 1 $\frac{1}{8}$ and 1 $\frac{1}{4}$ -Inch Order 9R5630 Taper Shank Twist Drills and 9R5632 Steel Sleeve.

Sizes 1 $\frac{3}{8}$ and 1 $\frac{1}{2}$ -Inch Order 9R5630 Taper Shank Twist Drills Only.

20-Inch "Expert" Power Drill

With Hand Lever Feed
A Splendid All Around Drill at Low Cost

\$117⁵⁰

Especially Adapted for the Factory,
Garage and Repair Shop.

All Parts Are Simple, Strong and
Convenient.

Designed, Like Our Other Ma-
chinery, to Do the Most Work With
the Least Power.

Highly Finished in Dark Gray Gloss.

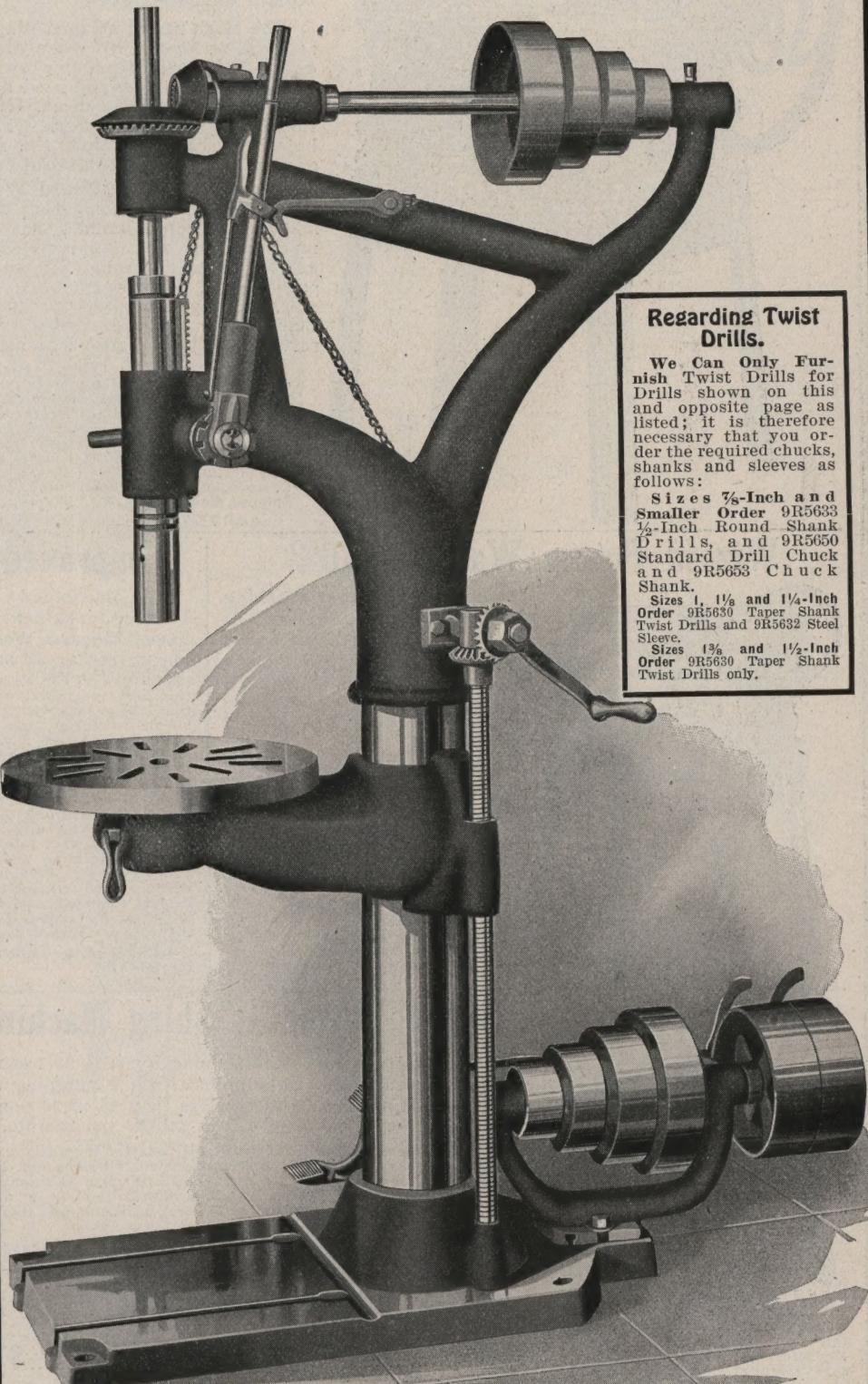
Best of Material and Workmanship
Throughout.

DESCRIPTION

Height of drill.....72 inches
Greatest distance between base
and spindle.....37 inches
Greatest distance between table
and spindle.....25 inches
Travel of spindle.....9 inches
Diameter of spindle in sleeve.15 $\frac{1}{8}$ inches
Spindle socket. No. 4 Morse Taper
Drills to center of 21-inch circle.
Diameter of table.....16 inches
Diameter of column.....5 $\frac{5}{8}$ inches
Travel of table on column.....17 inches
Floor space required.....16x45 inches
Diameter bevel pinion.....3 $\frac{1}{8}$ inches
Diameter crown gear.....3 $\frac{1}{16}$ inches
Size of cone pulley:
8 $\frac{1}{8}$, 7 $\frac{1}{4}$, 5 $\frac{5}{8}$ and 4x2 $\frac{1}{2}$ -inch face
Size of tight and loose pulley:
8x2 $\frac{1}{2}$ -inch face
Length of belt necessary...12 ft. 4 inches
Speed of countershaft.....380 R. P. M.
Horse-power required.....1 $\frac{1}{2}$
Shipping weight, about 750 pounds.

99R8259 $\frac{1}{3}$ -Power Drill, complete as
illustrated and described. **\$117.50**
Price.....

Shipped direct from factory near CHICAGO.
Shipment usually made in from 5 to 10 days
after order is received.



Regarding Twist Drills.

We Can Only Furnish Twist Drills for Drills shown on this and opposite page as listed; it is therefore necessary that you order the required chucks, shanks and sleeves as follows:

Sizes $\frac{3}{8}$ -Inch and
Smaller Order 9R5633
 $\frac{1}{2}$ -Inch Round Shank
Drills, and 9R5650
Standard Drill Chuck
and 9R5653 Chuck
Shank.

Sizes 1, 1 $\frac{1}{8}$ and 1 $\frac{1}{4}$ -Inch
Order 9R5630 Taper Shank
Twist Drills and 9R5632 Steel
Sleeve.

Sizes 1 $\frac{1}{8}$ and 1 $\frac{1}{2}$ -Inch
Order 9R5630 Taper Shank
Twist Drills only.

EXPERT POWER DRILLS

Round Shank Twist Drills

	59c
	1/2-Inch

With 1/2-Inch Round Shanks.

When ordering 1/2-inch round shank twist drills, be sure to include a 9R5650 Standard Drill Chuck and 9R5653 Chuck Shank, otherwise you will not be able to use these drills with our Expert Power Drills. Shipped from our CHICAGO store.

9R5633

Size, inch.....	1/8	1/4	5/16	1/2	5/8	3/4	7/8
Wt., about, oz.	2	2	3	4	4	8	
Price, each....	26c	35c	47c	59c	75c	\$1.00	\$1.28

Taper Shank Twist Drills \$3.05
1 1/4-Inch

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Sizes, 1, 1 $\frac{1}{8}$, and 1 $\frac{1}{4}$ -inch have No. 3 Morse taper and require a 9R5632 No. 3 to 4 Morse taper steel sleeve to fit spindle socket. Shipped from our CHICAGO store.

9R5630

Size.....	1 in.	1 1/8 in.	1 1/4 in.	1 1/8 in.	1 1/2 in.
Taper of Shank.....	No. 3	No. 3	No. 3	No. 4	No. 4
Weight, about.....	1 1/2 lbs.	1 3/4 lbs.	2 1/4 lbs.	3 1/2 lbs.	4 1/4 lbs.
Price, each....	\$1.95	\$2.55	\$3.05	\$3.65	\$4.75

Steel Sleeve
For Taper Shank Drills.

9R5632-Steel Sleeve, No. 3 to 4 Morse taper for fitting No. 3 Morse taper drills to No. 4 spindle sockets. Weight, about 13 ounces. Shipped from our CHICAGO store. Price.....\$1.25

Our Most Popular Washing Machine

The High Speed Wizard, \$15⁷⁵



We have sold thousands of the High Speed Wizard Washing Machines. One of your friends or neighbors no doubt already has one and will be glad to tell you about it. If not, bear in mind that we have sold more High Speed Wizard Washing Machines than of any other brand and that it is the most successful hand operated washing machine we ever sold.

The High Speed Wizard Washing Machine will wash the clothes clean. The inside and bottom of the tub is corrugated. The dolly or dasher rotates a three-quarter revolution each way. This action cleans the clothes very rapidly and thoroughly.

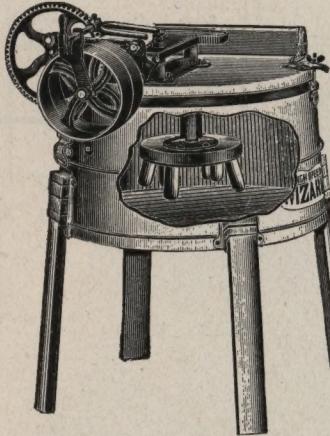
The High Speed Wizard Washing Machine will run easily. The flywheel revolves at high speed when the operating handle is moved back and forth, or up and down, depending on which socket the handle is placed in. The momentum of the high speed flywheel enables you to keep the machine in motion with but little effort. One socket holds the operating handle in just the right position to work while in standing position. The other socket holds the handle in just the right position to work while sitting. This enables you to do a great deal of the washing without being on your feet.

The High Speed Wizard Washing Machine will give good service. By this we mean everything that the term "good service" implies. The tub is made of selected lumber that is especially adapted for making washing machine tubs and is assembled and bound in a substantial manner. The gearing is made from well designed casting molds from machined brass patterns and all gears run on steel shafting, insuring smooth action and easy, quiet running. The parts are interchangeable, and you can get repairs at any time should they be needed. Any part proving defective or giving poor service will be replaced without any charge to you.

Let us prove it. Order a High Speed Wizard Washing Machine and enclose our catalog price. When you receive the washer, try it out for thirty days. Use it every day if you like. If you are not entirely satisfied you can send it back at our expense and every penny you paid out for the machine, including freight and cartage on it, will be returned to you. Full directions furnished so that you will understand how to use the machine even though you never used one before. The tub measures 22 $\frac{3}{4}$ inches inside diameter at the bottom, 21 $\frac{1}{2}$ inches at the top and 12 inches deep inside. Standard family size of six-sheet capacity. Fitted with wringer board to which wringer can be attached. Cover is of two-ply construction, securely hinged to the tub and will not split or warp. Shipped from CHICAGO. Shipping weight, 90 pounds.

44R7513 $\frac{1}{4}$ —High Speed Wizard Washing Machine. Price.....\$15.75

Wizard Power Washer, \$16⁵⁰



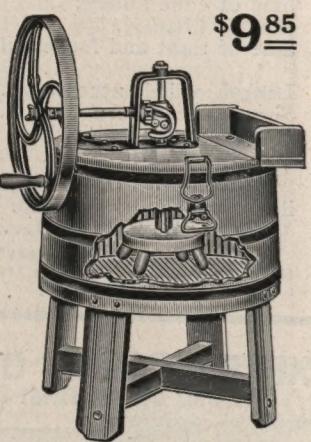
The Wizard Power Washing Machine is a development of the High Speed Wizard Washer, but the working parts are heavier and so arranged that lid can be raised without removing belt from pulley. Has tight and loose pulleys, 8 inches in diameter and 2 $\frac{1}{2}$ -inch face and an adjustable belt shifter. Should be driven at 175 to 200 revolutions per minute. Hardwood wringer board is provided so hand operated wringer can be attached. Tub is full size, measuring 22 $\frac{3}{4}$ inches in diameter and 12 inches deep inside and is made of selected lumber. Standard family size of six-sheet capacity. Furnished with complete directions for use. Shipped from CHICAGO. Shipping weight, 95 lbs.

44R7537 $\frac{1}{4}$ —Wizard Power Washing Machine for engine operation. Price.....\$16.50

Improved Golden Crown Washer

The old Golden Crown Rotary Washer ranks next to our High Speed Wizard Washer in popularity so far as hand operated machines are concerned and this improved model will be no exception. The improved gearing is more simple in design and contains fewer parts than the old model. The tub is made of selected lumber, measures 23 $\frac{3}{4}$ x 12 inches inside, and is finely finished in natural wood. Gearing is finished in aluminum bronze. Capacity, six sheets. Turning the flywheel continually in one direction causes the dolly inside the tub to turn three-quarter revolution and then automatically reverse. Provided with box to which a hand wringer can be attached. Prompt shipment from factory in NEW YORK or from our CHICAGO store. Shipping weight, 85 pounds.

44R7526 $\frac{1}{4}$ —Golden Crown Washing Machine. Price.....\$9.85



\$4⁶⁵



44R7530 $\frac{1}{4}$ —The Quick and Easy Washer is an exceptionally well made machine of this very popular open type. Measures 19x28 $\frac{1}{2}$ x14 inches inside. Shipped from CHICAGO. Shipping weight, 50 lbs. Price.....\$4.65

Water Power Washing Machine

To use a water power washing machine it is necessary that the water in your home be supplied from a pumping system of some kind at a pressure of not less than 15 to 20 pounds to the square inch and a flow of 4 to 6 gallons per minute.

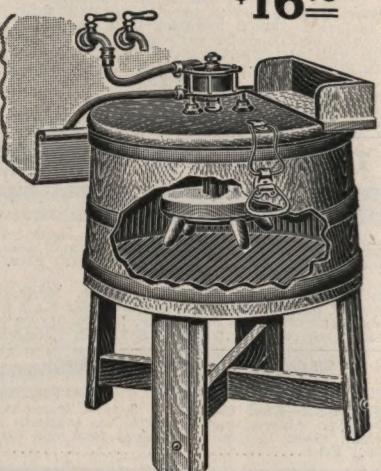
The tub is made of lumber that is especially adapted for washing machine construction and measures 23 $\frac{3}{4}$ inches in diameter at bottom and 12 inches deep inside. Sides and bottom are corrugated. Wringer box provided for attaching hand wringer. Capacity, six sheets. The dolly slides up and down on the post, according to the quantity of clothes in the tub, and rotates back and forth when the machine is in operation.

The Water Witch Motor is of the gearless type, and is very simple. Inlet hose is provided with a standard hose coupling so machine can be connected to any threaded faucet. Outlet hose has anti-splasher weight, which prevents splashing. Full directions for use furnished with each machine. Shipping weight, 70 pounds. Shipped from our CHICAGO store or factory in NEW YORK STATE.

44R7518 $\frac{1}{4}$ —Water Witch Water Power Washing Machine. Price.....\$16.75

44R7519—Smooth Faucet Hose Attachment. A device threaded for standard hose coupling and provided with rubber packing that slips on a smooth faucet, enabling you to connect hose to any standard smooth faucet. Price.....

\$16⁷⁵



65c

Liberty Power Washing Machine

With Swinging Wringer



The most successful power washing machine we ever sold. It is built extra strong in every part so it will stand up under hard use. The tub measures 22½x12 inches, inside measure, and is made of selected washing machine lumber. It is nicely corrugated inside and is fitted with brass drain faucet threaded so hose can be attached. Standard family size of six-sheet capacity.

The washing is accomplished by the time proved rotary wood dolly movement.

The mechanism is made up of smooth, heavy castings and is simple in design. The drive pulley and gears are mounted on a single large casting securely attached to the steel base. This does away with the necessity of depending on the tub to support the working parts. Raising the lid stops the washing mechanism, thus eliminating the use of clutches or belt shifting devices. But one drive pulley is needed, and this measures 10 inches in diameter, 1½-inch face and should be driven 200 revolutions per minute.

The power driven wringer can be swung into any position so you can wring the clothes from the washer, rinse or plung tubs. The wringer swings easily and is locked in position by a set screw with hand wheel. Wringer drive is very simple, a slight movement of the lever being sufficient to start, stop or reverse the movement of the 10x1½-inch rolls of extra grade white rubber, securely vulcanized on the shafts. Can be used conveniently with stationary laundry tubs or ordinary tubs placed on a separate bench.

We furnish this washer fitted with an engine of the two-cycle air cooled type, rated at ½ horse-power, which has inverted cylinder. Can also be furnished without engine as quoted below. A special geared foot starter is provided which is connected through a system of gears to the crankshaft. One pressure on the foot pedal spins the engine several times and the first pressure usually starts it. All moving parts of engine are enclosed. Lubrication is taken care of by mixing oil with the gasoline. No oil cups to leak and no oil can to fuss with. Engine can be adjusted to run from 500 to 1,400 revolutions per minute while running. We use a 6-inch flanged pulley on the engine and drive the washer with a 1-inch flat belt. This makes a simple, safe and efficient drive that does not require any special knowledge to keep in order. Spark coil and switch are mounted on engine at factory. A short wire from the multiple battery to engine is all the wiring needed and is furnished with the outfit. Muffler is of the automobile type, effectively silencing the exhaust noise.

The Liberty Washer with swinging wringer and attached engine is so simple in design that any woman can start or stop it and keep it in running condition about as easily as she can care for her sewing machine.

44R7546—Liberty Washing Machine with swinging wringer and attached engine. Shipping weight, 275 pounds. Shipped from factory in NORTHEASTERN ILLINOIS. Price..... \$84.75

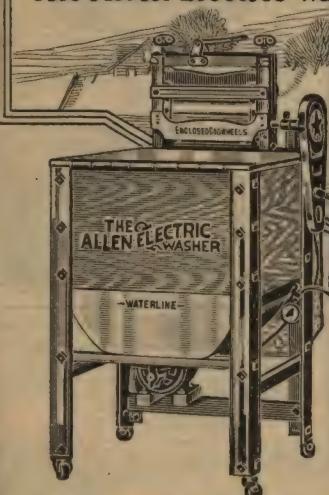
Exhaust gases from engine should be piped outside with ordinary ¾-inch iron pipe. Where it is not convenient to use iron pipe, we can furnish gastight flexible metal tubing.

44R7551—Flexible Metal Tubing. Price, per 10-foot length..... \$2.50

44R7543½—Liberty Power Washing Machine, as described above, but without engine. Shipping weight, 200 pounds. Shipped from CHICAGO. Price..... \$39.75

44R7544—Extra Steel Tub Bench. Size, 14 inches high, 48 inches long, 14 inches wide. Will hold two large washtubs. Weight, 24 pounds. Price..... \$2.95

The Allen Electric Washer



The Allen Electric Washing Machine is of the latest oscillating wood cradle type, so popular in all the big cities, and has met with wonderful success. The clothes are placed in the oval wood cradle, which swings three-quarters revolution back and forth. This dashes the clothes through the suds, cleansing them very rapidly and without wearing or tearing them or even pulling them out of shape, so you can safely wash the finest laces or heaviest blankets. The cradle is removable. Tub is of galvanized iron, hung in a wood frame securely bound together at the corners by the angles which form the legs, and these are fitted with roller easy casters so machine can be easily moved. Clothes do not come in contact with the metal. Brass faucet for draining attached to bottom. Will wash six sheets or their equivalent in other clothes at one filling.

The wringer has 11x1½-inch extra high grade rubber rolls and can be stopped or started in either direction by moving one little lever. Furnished complete with high grade electric motor, cord and attachment plug for connecting with any electric light socket and full directions for the use and care of machine. The machine measures 37 inches high, 24 inches wide and 26 inches long, outside measurements. Shipped from factory in SOUTHERN MICHIGAN. Shpg. wt., 225 lbs.

44R7533½—Allen Electric Washing and Wringing Machine. Price..... \$98.50

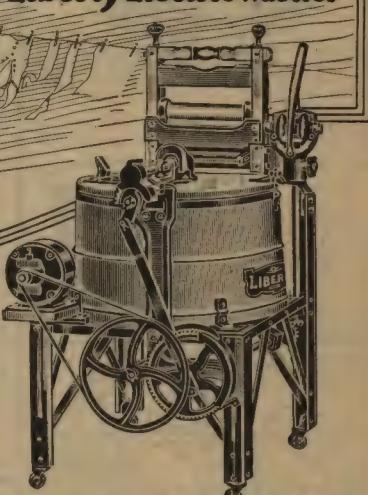
The Wizard Electric Washer



This is a low priced rotary dolly washer without the wringer, which will give satisfactory service so far as washing is concerned. However, we recommend the Liberty Electric Washer in preference to it, because the Liberty Washer is a stronger machine, has swinging reversible wringer and does away with all the hard work in connection with the washing and wringing of the clothes. While investing in a power washer, why not get one that does it all? Tub of the Wizard Electric measures 22¾x12 inches inside, is well made of selected washing machine lumber and is nicely corrugated inside. Dolly rotates three-quarters revolution and reverses. Furnished complete with electric motor, cord and plug ready to screw into any electric light socket. Shipped from factory in NORTHEASTERN ILLINOIS. Shpg. wt., 140 lbs.

44R7532½—Wizard Electric Washing Machine. Price..... \$43.50

The Liberty Electric Washer



The Liberty Electric Washer is our most popular electric washer. It operates on the time proved dolly principle and has the latest swinging wringer. The tub, made of selected washing machine lumber, measures 22¾x12 inches inside, has a capacity of six sheets, is fitted with brass drain faucet and is mounted on a well braced steel stand, as shown. The stand is fitted with casters so machine is easily moved, and as it measures only 24 inches square the machine occupies but little room. Wringer has extra quality white rubber rolls, swings in any position and can be started, reversed or stopped by a slight movement of the lever. Wringer is independent of washer movement and motor will operate washer and wringer at the same time, if desired. If you have stationary tubs this is just the machine you want. If you use ordinary tubs your rinse and blue tubs can be placed on any bench you may have, or on the separate steel bench listed in connection with our Liberty Engine Power Washing Machine shown above. Furnished complete with full directions, motor, electric cord and plug ready to connect to any electric light socket. Shipped from factory in NORTHEASTERN ILLINOIS. Shpg. wt., 225 lbs.

44R7555½—Liberty Electric Washer and Wringing Machine. Price..... \$64.50

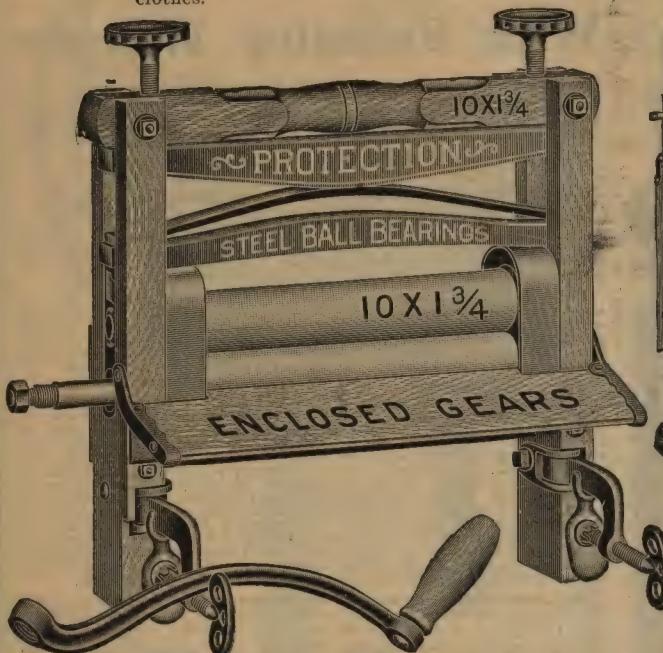
"Protection" Ball Bearing Wringers

GUARANTEED FOR THREE YEARS.

Enclosed Gears Mean Protection.

\$5 65

Genuine bargain at our prices and strongly recommended. Rolls are guaranteed for three years and measure 10x1 1/4 inches. Have steel pressure spring, improved wheel top screws. Enclosed gears protect fingers and clothes.



Our Most Popular Wringers.

99R2031—Hardwood Frame Wringers. Shipping weight, about 30 pounds. Price.....\$5.65

\$7 65



99R2035

Hardwood Frame Bench Wringers. Holds two tubs. Folds into small space. Reversible drain board can be set to drain on either side of wringer. Shipping weight, about 46 pounds.

Price.....\$7.65

Our "Best Made" Ball Bearing Wringer

GUARANTEED FOR FIVE YEARS.

Large Rolls, Enclosed Gears,

Reversible Drain Board.

The Reversible Drain Board can be set to drain on either side of wringer.

Rolls, guaranteed for five years, measure 11x1 1/4 inches. Enclosed gears protect fingers and clothes. Have steel pressure spring and improved wheel top screws.



99R2033—Hardwood Frame Wringers, especially suitable for stationary laundry tubs, but clamps also fit any round tub. Shipping wt., about 35 lbs. Price.....\$6.45

99R2036—Hardwood Frame Bench Wringer. Holds two tubs. Folds into small space. Shipping wt., about 48 lbs. Price.....\$8.45

"Acme Star" Wringers

GUARANTEED FOR ONE YEAR.

An Excellent Quality Low Priced Wringers.

With ordinary care will last much longer than one year. Measures 10x1 1/4 in. Has spiral steel springs, improved wheel top screws.

99R2026—Metal Frame Wringers. Galvanized to prevent rust. Shipping weight, about 24 pounds.

Price.....\$4.60



Galvanized Washtubs. \$1 1/2

Galvanized Washtubs. \$2 40



Heavy sheet steel, galvanized after tub is formed. Has wringer lugs. Will outwear two of ordinary kind. Shipping weight, about 10 pounds. Cannot be shipped by parcel post.

99R2086—Top diameter, 22 inches depth, 10 1/2 inches. Price.....\$2.40

Galvanized \$1 10 Pails.

14-qt.

Heavy sheet steel, galvanized after pail is formed. Shpg. wt., abt. 4 lbs.

Cap., Qts. Price
99R2096 12 \$0.95
99R2097 14 1.10



Folding Umbrella Clothes Rack With 16 Hardwood Arms.



"Ideal" Rope Clothes Line. 88c

Good quality cotton, smoothly braided, 1/4 inch. Weight, about 1 1/4 pounds.

99R2836—Price, per 100 feet.....88c



Moore Self Winding Clothes Line Reel With 100 Feet High Grade Cotton Clothes Line Our \$2 15

You already know the convenience of the smaller kitchen clothes line reels.

Then you will truly appreciate the unusual Labor Saving Features of our Moore Self Winding Outdoor Clothes Line Reel.

The Solution of All Clothes Line Trouble.

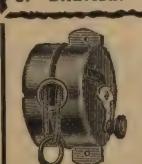
Works by means of an easy acting steel spring which automatically winds the line into the steel reel, which is enclosed within the steel case.

KEEPS LINE CLEAN AND FREE FROM DIRT.

Furnished with two sets of spikes for fastening reel in place. For both indoor and outdoor use. Case measures 9 1/2 inches high, 7 1/4 inches wide and 3 3/4 inches thick. Actual weight, 7 pounds. Shipping weight, about 8 pounds.

99R2082—Our price for reel complete with 100-foot line, only.....\$2.15

Easy to Put Up. Easy to Take Down. Keeps Line Clean. Prevents Line From Getting Tangled or Snarled.



33c

HANDY KITCHEN CLOTHES LINE.

With Locking Device.

Always ready for use. Winds up in metal case that keeps line clean when not in use. Ratchet reel holds line snug and tight; about 33 feet of line. Screw hooks and screws furnished for attaching. Weight, about 12 ounces.

99R2842—Price.....33c

Rope Clothes Line.

95c



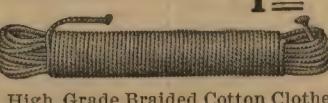
1/4-Inch Manila Clothes Line.

Weight, about 1 1/4 lbs.

99R2838—Per 100 feet.....95c

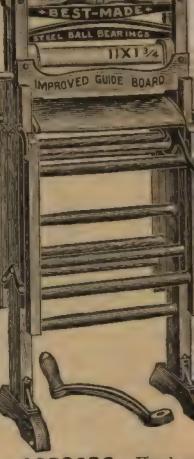
"Best Made" Clothes Line.

\$1 95



High Grade Braided Cotton Clothes Line. Unusually strong, smoothly braided. 1/4-inch diameter. Weight, about 2 1/2 pounds.

99R2834—Per 100 feet.....\$1.95



99R2036—Hardwood Frame Bench Wringer. Holds two tubs. Folds into small space. Shipping wt., about 48 lbs. Price.....\$8.45



Good quality, strong and durable. Shipping weight, about 8 pounds. Cannot be shipped by parcel post.

99R2084—Top diameter, 21 1/2 inches depth, 10 1/2 inches. Price.....\$1.50

Galvanized 60c Pails.

12-Qt. Good quality, full weight. Shipping weight, abt. 2 1/2 lbs.

Cap'ty., Qts. Price
99R2094 12 60c
99R2095 14 70c



Cast Iron Revolv.

Clothes Line Reel.

99R2064

Screws furnished for attaching. Shipping weight, about 10 lbs. Price.....\$1.50

90c



Clothespin Apron.

Strong and durable. Made of good quality ticking. Weight, about 3 ounces.

99R2848

Price.....33c

5c Japanned Iron Cloth Line Hook.

With screws. Wt., about 3 oz.

99R2850—Price.....5c

Standard Clothespins.

Standard pattern. Good quality pins that will give satisfactory service. Shipping weight, about 4 pounds.

99R2076—Per box of 200.....\$1.00

Held fast pattern. Galvanized steel spring. Weight, gross, about 2 lbs.

99R2844—Half gross.

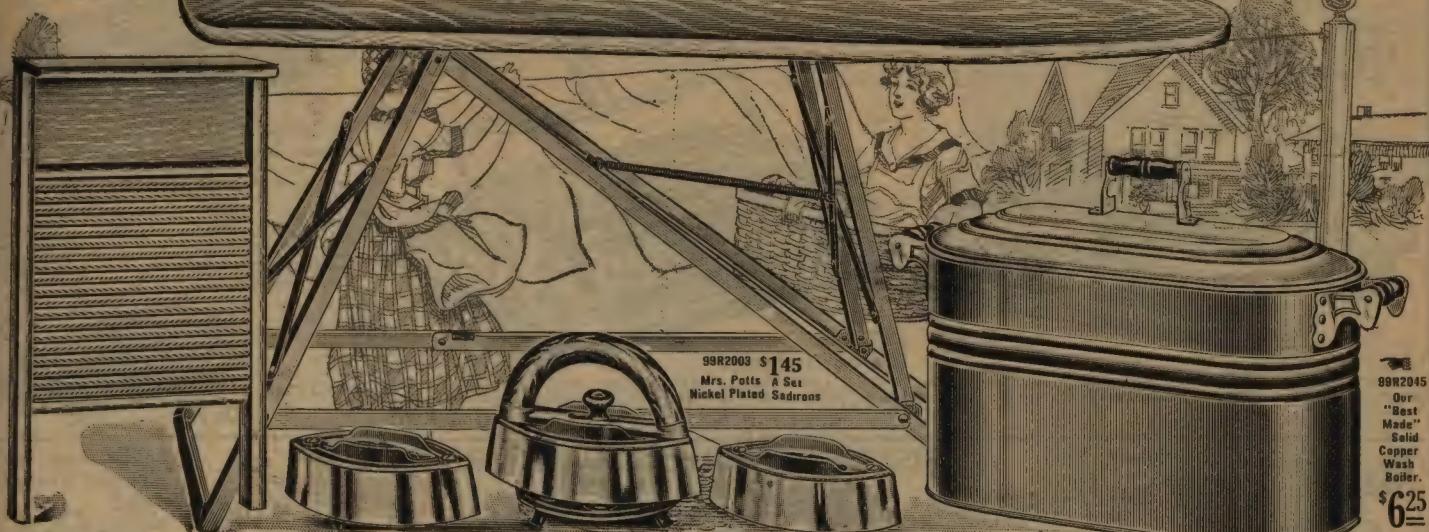
99R2846—Per gross.

99R2052
Solid Brass Wash-
board.

76c

Four Leaders in Laundry Equipment

99R2060
"Stand-Fast" Ironing
Board With Folding
STEEL Frame. \$3.40



Solid Brass Washboard. With Truss Back.

Large rubbing surface, size $10\frac{1}{2} \times 11$ inches, of sheet brass with improved corrugated cable crimp, protector top and open back. Shipping weight, about $2\frac{1}{2}$ pounds. **99R2052**—Price. **76c**

DOUBLE ZINC WASH- BOARD.

Globe crimp on one side, plain crimp on the other. Protector top, $10\frac{1}{2} \times 11$ -in. rubbing surface. Shpg. wt., 3 lbs. **99R2051**—Price. **.62**

SINGLE ZINC WASHBOARD.

Globe crimp. $10\frac{1}{2} \times 11$ -inch rubbing surface. Shpg. wt., $2\frac{1}{2}$ lbs. **99R2050**—Price. **.48**

Mrs. Potts Pattern Nickel Plated Sadirons.

Extra quality nickel plated sadirons. Set includes one $5\frac{1}{2}$ -lb. and one $5\frac{1}{2}$ -lb. regular irons and one 4-lb. polishing iron, one detachable handle and stand, as illustrated. Shipping weight, about 16 pounds. **99R2003**—Price, per set. **\$1.45**

MRS. POTTS PAT- TERN SADIRONS.

Standard quality irons, similar to above, polished, but not nickel plated. Shpg. wt., 16 lbs. **99R2002**—Set. **\$1.35**

EXTRA HANDLES

For Mrs. Potts Pat-tern Sadirons, wood grip. Weight, about 9 ounces. **99R2832**—Price, 10 oz.

"Stand-Fast" Ironing Board. With Folding Steel Frame.

Does not creep or wobble. Collapsible frame is strong, rigid and folds up when not in use, taking very little space. The large, roomy ironing surface is 14 in. wide by 57 in. long and stands 32 in. from floor. Shpg. wt., about 30 lbs. Cannot be shipped by parcel post.

99R2060—Price. **\$3.40**

For ironing board covers see page 417.

Our "Best Made" Solid Copper Wash Boiler.

Extra well made. The kind of boiler to buy when service and durability are desired. Extra heavy, solid copper wash boiler. Large size, about $23\frac{1}{4} \times 12\frac{1}{2}$ inches high, inside measurements. Tinned on the inside with block tin. Heavy steel wire rod around top and corrugation of sides add to the strength of boiler. Double seamed and guaranteed not to leak. Stationary wood grip handles. Cover is unusually strong and is made from one piece of copper plated steel with rigid wood handle. Shipping weight, about 16 pounds. Cannot be shipped by parcel post.

99R2045—Price. **.62**

Set of 3 Common Pattern 7-Lb. Sadirons. **\$1.35**



Old style irons of good quality and finish, with a modern ventilated handle. Shipping weight, about 22 pounds. **99R2000**—Price, per set, with stand. **.50**

"Sensible" Gas Irons.



\$2.10



\$5.95

With 6
cord and plug for attaching
to any electric lamp socket.
Nickel plated steel body; blue
base. Cool ebony finish
wood handle. Operates from
any electric light current with
the usual city current of 105
to 115 volts.

6R8038

Price. **.55**
For full line of electric
irons see page 1248.

Folding Curtain Stretchers.



99R2070

Extra Quality

\$2.35

99R2068

Standard Grade

\$2.10

Extra quality curtain stretchers, made of selected basswood, 2 inches wide. Extends to 6x12 feet. Sides, ends and center brace have measuring rule. Center brace prevents sagging. Fitted with movable nickel plated brass pins. Japanese steel frame connections. Cannot be shipped by parcel post.

99R2070—Shipping wt., about 9 lbs. Price. **\$2.35**

99R2068—Standard grade, same as above, except frame is 1½ inches wide. Shipping weight, about 8 pounds.

Price. **.21**

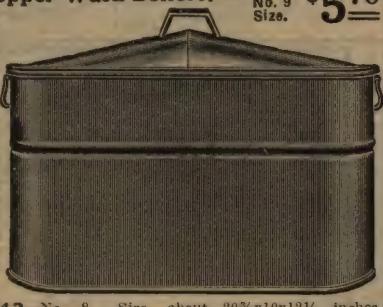
99R2066—Extends to 6x12 feet. Made of basswood with center brace. Rods have measuring rule. Nickel plated stationary pins, 1 inch apart. Stamped steel frame connections. Shipping weight, about 7 lbs. Cannot be shipped by parcel post.

Price. **.135**

Solid Copper Wash Boilers.

No. 9 **\$5.70**

Size.



Standard high quality solid copper wash boilers. Made of heavy polished sheet copper, tinned on the inside. Drop handles, wired around the top and double seamed to prevent leaking. Tin cover.

99R2043—No. 8, Size, about $20\frac{3}{4} \times 10 \times 12\frac{1}{4}$ inches high, inside measurements. Shpg. wt., 13 lbs. Price. **\$5.20**

99R2044—No. 9, Size, about $21\frac{1}{4} \times 11\frac{1}{2} \times 12$ in. high, inside measurements. Shpg. wt., about 14 lbs. Price. **\$5.70**

Copper Rim and Bottom Tin Wash Boilers.

No. 8 Size. **\$2.55**



One of the best low priced boilers made. Full size. Drop handles. Very serviceable boiler.

99R2041

No. 8, Size, about $20\frac{1}{4} \times 10 \times 12\frac{1}{4}$ inches high, inside measurements. Shipping wt., about 12 pounds.

Price. **\$.25**

99R2042

No. 9, Size, about $22 \times 11\frac{1}{4} \times 12\frac{1}{4}$ inches high, inside measurements. Shipping wt., about 14 pounds.

Price. **\$.29**

Copper Bottom Tin Wash Boilers.

No. 8 Size. **\$2.05**



Full size, double seamed. Drop handles.

99R2037—No. 7, Size, about $18 \times 9 \times 12\frac{1}{2}$ inches high, inside measurements. Shpg. wt., abt. 9 lbs. Price. **\$.185**

99R2038—No. 8, Size, about $20\frac{1}{4} \times 10 \times 12\frac{1}{2}$ inches high, inside measurements. Shpg. wt., abt. 11 lbs. Price. **\$.205**

99R2039—No. 9, Size, about $21\frac{1}{4} \times 11\frac{1}{2} \times 13$ inches high, inside measurements. Shpg. wt., abt. 14 lbs. Price. **\$.235**

"Home Pride" Laundry Outfit.



Every woman knows that proper laundry equipment makes washday so much easier. The "Home Pride" is strictly a high quality outfit, each piece carefully selected for its utility. Don't waste your strength trying to work with wornout, incomplete laundry equipment. Buy a complete outfit and accomplish more with less effort. Shipping weight.

Sears, Roebuck and Co.
Chicago

1029

Wisconsin Pattern Riveted Milk Cans.

\$5.65
We recommend these cans for wagon use, but for shipping purposes we recommend our One-Piece Seamless or our Silver Steel Cans.
Made of smooth sheet steel, double seamed and riveted throughout. Neck and bowl drawn in one piece. Breast is joined to body in such a manner as to form a very strong and rigid edge. Heavy steel bottom is riveted to body. Wisconsin pattern cans are tinned and retinned, and inside seams are soldered, have full rounded breast and bottom and are easily cleaned.



10-gallon size, Shpg. wt., about 16 lbs.	8-gallon size, Shpg. wt., about 15 lbs.	5-gallon size, Shpg. wt., about 12 lbs.
Price \$5.90	Price \$5.65	Price \$4.60

"BABCOCK PATTERN" STANDARD HIGH SPEED MILK TESTING OUTFITS.

Many states now require a license of every person who operates a Babcock Tester for commercial purposes. Illustration shows 4-bottle size for milk and cream.

\$4.95
These Milk Testers tell the exact quality of each cow's milk.

A tester is absolutely necessary when buying cows, as the quantity of milk a cow gives is not always an index of the quality of the cow.

Price includes bottle of acid, pipette and simple directions for making tests. Cannot be shipped by parcel post.

99R2573—4-bottle size for milk and cream. **\$4.95**

99R2571—2-bottle size for milk and cream. **4.50**

99R2572—4-bottle size for milk. Price. **4.65**

99R2570—2-bottle size for milk. Price. **4.15**

EXTRA GLASSWARE FOR BABCOCK TESTERS.

99R2882—50 per cent Cream Bottles. Each. **.22**

99R2884—10 per cent Milk Bottles. Each. **.21**

99R2886—50% of 1 per cent Skim Milk Bottles. Each. **.80**

99R2888—17.6-18C.C. Pipettes. Each. **.18**

99R2890—17.5C.C. Acid Measures. Each. **.90**

Flint Glass Milk Bottles.

Good quality clear glass. Uniform in size and properly annealed to insure toughness and strength. Smoothly finished inside and out. Will stand a great deal of rough handling.



80c PER DOZEN

Quarts. Shipping wt., about 135 lbs. **99R2579** Per dozen. **80c**

99R2582 Per crate of 6 dozen. **\$4.55**

70c PER DOZEN

Pints. Shipping wt., per 6 doz., about 85 lbs. **99R2578** Per dozen. **70c**

99R2581 Per crate of 6 dozen. **\$3.95**

60c PER DOZEN

Half pints. Shipping wt., per 6 doz., about 62 lbs. **99R2577** Per dozen. **60c**

99R2580 Per crate of 6 dozen. **\$3.35**

50,000 MILK BOTTLE CAPS

First quality parafined both sides. Fit any standard size bottle. Barrel of 50,000 cannot be shipped by parcel post.

6.000 FOR \$2.10

We can only furnish plain caps without printing of any kind.

36c

6,000 MILK BOTTLE CAPS

99R2585—In barrels containing 50,000 caps. Shpg. wt., abt. 125 lbs. **Price. \$1.50**

99R2587—In baskets containing 6,000 caps. Shpg. wt., abt. 16 lbs. **Price. \$2.10**

BRISTLE MILK BOTTLE BRUSHES.

Bristles securely fastened. **15c**

Stiff tampons tufts for cleaning corners and bottom. Lgth. 16 in. Wt., abt. 2 oz. **15c**

99R2876—Price. **15c**

Silver Steel Elgin Pattern R. R. Milk Cans. **\$7.30**

A SANITARY MILK CAN, ONE OF THE BEST AND MOST POPULAR PATTERNS ON THE MARKET.

Built of heavy steel plate, seamed and riveted, heavily tinned and soldered so as to leave no crevices or corners to collect germs and dirt. Body and bottom rest on heavily flanged bottom hoop and are solidly riveted together. (See illustration.)

Silver Steel Cans are rigid and stiff and will stand hard usage. They are sanitary cans. Breast and bottom are full rounded which makes cleaning easy. Silver Steel Cans are guaranteed to give satisfaction.

5-GALLON SIZE

Shipping wt., about 13 pounds. Price. **\$5.60**



8-GAL. **99R2507** 10-GALLON SIZE **99R2508** 10-GALLON SIZE **99R2509**

Shipping wt., about 20 pounds. Price. **\$7.30** Shipping wt., about 21 pounds. Price. **\$7.95**

Improved Dilution Cream Separators.

\$3.65

10-GAL.



Separates cream from milk in three to four hours; gives sweet diluted milk, which is far superior to sour milk as stock food. Saves several hours waiting for cream to rise. As water mixes with milk, cream separates and rises to top; this can be watched through gauges. Heavy tin, securely seamed and soldered. Enamored on outside. Prices include tin tubes, strainer, faucet and legs. Cannot be shipped by parcel post.

Capacity. Shpg. Wt.,
Gal. Abt. Lbs. Price
99R2550 10 14 **\$3.65**
99R2551 14 16 . **4.25**
99R2552 18 18 . **4.85**
99R2553 21 20 . **5.15**
99R2554 24 22 . **5.45**
99R2555 32 32 . **5.95**

FOR DAIRY THERMOMETERS SEE PAGE 744.

Economical Double Can Separators. **\$5.05**

Separates cream from milk in four to six hours in warm or cold weather. Removable inner can makes cleaning easy. Has glass gauges. Gives pure, undiluted milk. Inner can heavy tin. Outer can galvanized iron. Cannot be shipped by parcel post.

Capacity. Shpg. Wt.,
Gal. Abt. Lbs. Price
99R2562 4 14 **\$4.65**
99R2563 6 18 . **5.05**
99R2564 8 19 . **5.50**
99R2565 10 22 . **5.95**
99R2566 12 25 . **6.45**
99R2567 15 28 . **6.95**



Our "Improved" Milk Cooler and Aerator.

\$6.35

18-Qt.



Size No. Holds For Cows Lbs. Price
99R2532 2 18 quarts 5 to 25 30 **\$6.35**
99R2533 3 34 quarts 25 to 50 35 **7.65**
99R2534 4 52 quarts 50 to 100 40 **9.15**

Shipping Wt.,

Actual Wt., Cap'ty Lbs. Price

12 qts. 3 1/4 **1.70**

12 qts. 3 1/2 **1.80**

14 qts. 3 1/2 **1.80**

14 qts. 3 3/4 **1.95**

14 qts. 4 **2.00**

14 qts. 4 1/2 **2.10**

14 qts. 5 **2.20**

14 qts. 5 1/2 **2.30**

14 qts. 6 **2.40**

14 qts. 6 1/2 **2.50**

14 qts. 7 **2.60**

14 qts. 7 1/2 **2.70**

14 qts. 8 **2.80**

14 qts. 8 1/2 **2.90**

14 qts. 9 **3.00**

14 qts. 9 1/2 **3.10**

14 qts. 10 **3.20**

14 qts. 10 1/2 **3.30**

14 qts. 11 **3.40**

14 qts. 11 1/2 **3.50**

14 qts. 12 **3.60**

14 qts. 12 1/2 **3.70**

14 qts. 13 **3.80**

14 qts. 13 1/2 **3.90**

14 qts. 14 **4.00**

14 qts. 14 1/2 **4.10**

14 qts. 15 **4.20**

14 qts. 15 1/2 **4.30**

14 qts. 16 **4.40**

14 qts. 16 1/2 **4.50**

14 qts. 17 **4.60**

14 qts. 17 1/2 **4.70**

14 qts. 18 **4.80**

14 qts. 18 1/2 **4.90**

14 qts. 19 **5.00**

14 qts. 19 1/2 **5.10**

14 qts. 20 **5.20**

14 qts. 20 1/2 **5.30**

14 qts. 21 **5.40**

14 qts. 21 1/2 **5.50**

14 qts. 22 **5.60**

14 qts. 22 1/2 **5.70**

14 qts. 23 **5.80**

14 qts. 23 1/2 **5.90**

14 qts. 24 **6.00**

14 qts. 24 1/2 **6.10**

14 qts. 25 **6.20**

14 qts. 25 1/2 **6.30**

14 qts. 26 **6.40**

14 qts. 26 1/2 **6.50**

14 qts. 27 **6.60**

14 qts. 27 1/2 **6.70**

14 qts. 28 **6.80**

14 qts. 28 1/2 **6.90**

14 qts. 29 **7.00**

14 qts. 29 1/2 **7.10**

14 qts. 30 **7.20**

14 qts. 30 1/2 **7.30**

14 qts. 31 **7.40**

14 qts. 31 1/2 **7.50**

14 qts. 32 **7.60**

14 qts. 32 1/2 **7.70**

14 qts. 33 **7.80**

14 qts. 33 1/2 **7.90**

14 qts. 34 **7.95**

14 qts. 34 1/2 **8.00**

14 qts. 35 **8.05**

14 qts. 35 1/2 **8.10**

14 qts. 36 **8.15**

14 qts. 36 1/2 **8.20**

14 qts. 37 **8.25**

14 qts. 37 1/2 **8.30**

14 qts. 38 **8.35**

14 qts. 38 1/2 **8.40**

14 qts. 39 **8.45**

14 qts. 39 1/2 **8.50**

14 qts. 40 **8.55**

14 qts. 40 1/2 **8.60**

14 qts. 41 **8.65**

14 qts. 41 1/2 **8.70**

14 qts. 42 **8.75**

14 qts. 42 1/2 **8.80**

14 qts. 43 **8.85**

14 qts. 43 1/2 **8.90**

14 qts. 44 **8.95**

14 qts. 44 1/2 **9.00**

14 qts. 45 **9.05**

14 qts. 45 1/2 **9.10**

14 qts. 46 **9.15**

14 qts. 46 1/2 **9.20**

14 qts. 47 **9.25**

14 qts. 47 1/2 **9.30**

14 qts. 48 **9.35**

14 qts. 48 1/2 **9.40**

14 qts. 49 **9.45**

14 qts. 49 1/2 **9.50**

14 qts. 50 **9.55**

14 qts. 50 1/2 **9.60**

14 qts. 51 **9.65**

14 qts. 51 1/2 **9.70**

14 qts. 52 **9.75**

14 qts. 52 1/2 **9.80**

14 qts. 53 **9.85**

14 qts. 53 1/2 **9.90**

14 qts. 54 **9.95**

14 qts. 54 1/2 **10.00**

14 qts. 55 **10.05**

14 qts. 55 1/2 **10.10**

14 qts. 56 **10.15**

14 qts. 56 1/2 **10.20**

14 qts. 57 **10.25**

14 qts. 57 1/2 **10.30**

14 qts. 58 **10.35**

14 qts. 58 1/2 **10.40**

14 qts. 59 **10.45**

14 qts. 59 1/2 **10.50**

14 qts. 60 **10.55**

14 qts. 60 1/2 **10.60**

14 qts. 61 **10.65**

14 qts. 61 1/2 **10.70**

14 qts. 62 **10.75**

14 qts. 62 1/2 **10.80**

14 qts. 63 **10.85**

14 qts. 63 1/2 **10.90**

14 qts.

Household or Family Scales



\$2.90

24-Pound Capacity.

Family Spring Scale.

Good Quality Scale, made of sheet steel, light blue finish, dial has glass front, white tile platform. Capacity, 24 pounds by ounces. Shipping weight, about 6 pounds.

99R2784—Price.....\$2.90

\$2.20

Family Spring Scale.

24-Pound Capacity.

Has steel body and platform, steel spring, white finished dial. Capacity, 24 pounds by ounces. Not made with scoop. Shipping weight, about 4 lbs.

99R2781 \$2.20

\$2.65

Family Spring Scale.

With Tin Scoop and Extra Tare Hand, 24-Pound Capacity.

Gives weight separately of scoop and articles weighed. Scale can also be used in the ordinary way. Has steel body and platform. Capacity, 24 pounds by ounces. Shipping weight, about 5½ pounds.

99R2786 \$2.65

Price.....

\$3.80

General Purpose 60-Pound Spring Scale.

Large strong scale with tin scoop. Body is heavy sheet steel, black finish. Springs are tempered steel. Has a double platform supports. Capacity, 60 pounds by 2 ounces. Shipping weight, about 9 pounds.

99R2785 \$3.80

Price.....

"Success" Power Barrel Churns.

\$9.40
15-Gal.

\$10.10
20-Gal.



Well made of seasoned oak. Tight fitting cover. Full directions furnished. Furnished with 12-inch tight and loose pulleys which take a 2-inch belt. Shipped direct from factory near CHICAGO. Shipment usually made in from 5 to 10 days after order is received. Cannot be shipped by parcel post.

Shpg. Wt.,

	Churns Abt.	Holds Up to Lbs.	Price
99R8348½	15 gal.	7 gal.	\$ 9.40
99R8349½	20 gal.	9 gal.	10.10
99R8350½	25 gal.	12 gal.	11.60
99R8351½	35 gal.	16 gal.	12.90

Cedar Cylinder Churns.

\$6.15

10-Gal. Size.



Easy to turn, agitates cream violently, makes butter quickly. Made of clear straight grained cedar. Cannot be shipped by parcel post.

No.	Holds About	Shpg. Wt.,	Price
99R2613	1 gal.	2 lbs.	\$3.90
99R2614	2 gal.	4 lbs.	4.60
99R2615	3 gal.	5 lbs.	5.40
99R2616	4 gal.	6 lbs.	6.15

For Dairy Paper See Page 626.

"High Speed" Rotary Wood Churn.

\$6.95
5-Gal.



Equipped with 1½x1½ inch Power Pulley and Detachable Crank as illustrated for Hand or Power. A churn that makes, gathers, works and salts butter without removing from churn. Reinforced with four truss rods which makes it extra strong and rigid. Hardwood body. Cannot be shipped by parcel post.

Holds About	Shpg. Wt.,	Price
About 5 gal.	3 gal.	\$6.95
5 gal.	4 gal.	7.45
7 gal.	4 gal.	7.45
10 gal.	6 gal.	7.95
12 gal.	7 gal.	8.45

For Dairy Paper See Page 626.

Scale Beams With Two Poises.

\$5.20 400-Lb. Capacity.

Not Legal for Use in Trade.

Heavy strong beam for rough weighing. Plainly marked on both sides. Will weigh to full capacity.

Capacity	Shpg. Wt.	Price
200 lbs.	8 lbs.	\$ 2.65
400 lbs.	20 lbs.	5.20
600 lbs.	32 lbs.	6.90
1,000 lbs.	55 lbs.	12.00

For Dairy Paper See Page 626.

6.95 BUTTER WORKER Philadelphia Pattern.



Standard grade, easy to operate. Works a batch of butter in three to five minutes. Cannot be shipped by parcel post.

Works, Shpg. Wt.,

Size, In.	Lbs.	Abt., Lbs.	Price
99R2540	14x23	10	\$5.95
99R2541	17x27	20	6.95
99R2542	20x36	30	7.95
99R2543	23x36	50	9.95

Cast Aluminum Butter Ladle.

40c



Size, 3x8 inches. Weight, about 3 ounces.

99R2310—Price.....40c

\$12.90

Aluminum Lined Through-out.

17x27-in.

14x23-in.

10x20-in.

8x12-in.

6x8-in.

5x7-in.

4x6-in.

3x5-in.

2x3-in.

1x2-in.

8x10-in.

6x8-in.

4x6-in.

3x5-in.

2x3-in.

Peerless Gray Enamelled Ware Set

UNUSUALLY HEAVY WEIGHT ONE-COAT GRAY WARE.

\$785



A durable and useful set of seventeen pieces in sizes best adapted for use in the average family. All flat bottom pieces that will fit any size stove. Shipping weight, about 31 pounds.

\$7.85

99R2248—Price, per set.....

"High Grade" Platform Counter Scale. Grocery Pattern.



\$43.50

Double brass beam with brass plated poises. Capacity, 361 pounds by ounces. Platform measures about $11\frac{1}{4} \times 14\frac{1}{2}$ inches. Scoop made of brass, size about $10\frac{1}{2} \times 20$ inches. Beam and poises have the necessary adjustments. Shipping weight, about 78 pounds. Cannot be shipped by parcel post.

99R2776—Price.....

\$43.50

"High Grade" Double Beam Counter Scale.

\$21.00



Capacity of platform, 240 pounds by $\frac{1}{2}$ pound. Platform measures about $9\frac{1}{2} \times 12\frac{1}{2}$ in.

Capacity of scoop, 30 lbs. b y $\frac{1}{2}$ ounces.

Loops are heavy malleable iron. All pivots are made of steel, hardened, tempered and sharpened to knife edge. Bearings on crossheads are fitted with caps, which prevent friction and do away with the side motion at this point. The poises are equipped with adjusting screws. Shipping weight, about 54 pounds.

99R2775—Price.....

\$21.00

"High Grade" Single Beam Counter Scale. Similar in construction to the double beam scale listed above; same capacity. Shipping weight, about 50 lbs.

99R2774—Price.....

\$18.00

Atlas U. S. Standard Scales

A scale to be of any value must weigh accurately on all weights up to its capacity. Should wear take place in any of the bearing points it will render the scale inaccurate. All bearing points should be made of material that will resist wear. Construction and adjustments must be of a type that the Government has approved.

All Atlas Scales are guaranteed to meet the requirements of inspection by any Government authorized sealer of weights in any state of the United States and to be free from defective material and workmanship. A scale that does not come up to these requirements is of no value as a weighing machine. Order an Atlas of any type and if it is not satisfactory in every way, send it back and we will return every cent of your money, including freight charges you paid. All Atlas Scales are shipped from factory in SOUTHEASTERN MICHIGAN.

Atlas Portable Scales

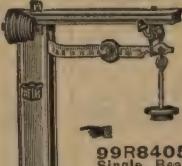
Atlas Scale Beams are solid brass. The beams for 600 and 1,000-pound capacities are marked by $\frac{1}{4}$ lb. to 50 lbs. On the larger sizes by $\frac{1}{2}$ lb. to 100 lbs.

Atlas Test Weight.



99R8401 $\frac{1}{2}$
50-Pound
Sealed Test
Weight.
Guaranteed
accurate.
Used for
testing any
scale.
Price,
\$5.75

99R8403 $\frac{1}{2}$
Weightless
Type.



99R8405 $\frac{1}{2}$
Single Beam
Type.



99R841 $\frac{1}{2}$
Double Beam
Type.

Atlas Weightless Scale.

Capacity, 600 Pounds. This scale has no loose weights. The upper beam is marked to 100 pounds by 12-pound marks; lower beam to 50 pounds by 10-pound notches. Platform measures $16\frac{1}{2} \times 24$ inches. Shipping weight, 100 pounds.

99R8403 $\frac{1}{2}$

\$28.50

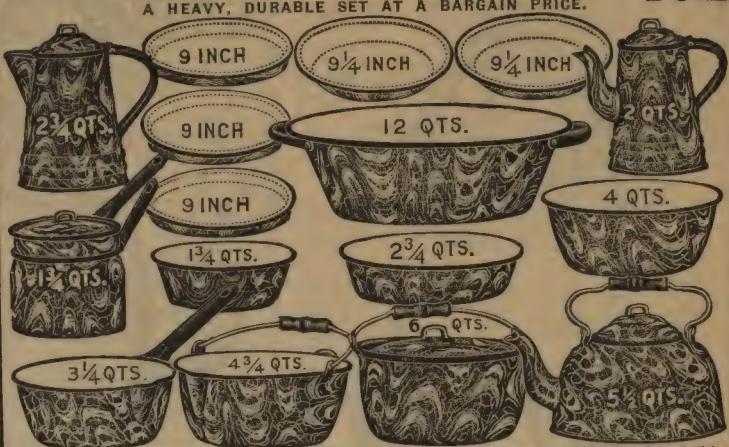
Single Beam Type.

Catalog No.	Price	Capacity, Lbs.	Size of Platform, Inches	Shipping Wt., lbs.	Double Beam Type.
99R8405 $\frac{1}{2}$	\$22.75	600	$16\frac{1}{2} \times 24$	165	99R841 $\frac{1}{2}$
99R8407 $\frac{1}{2}$	\$25.85	1,000	$17\frac{1}{2} \times 25$	175	99R841 $\frac{1}{2}$
99R8409 $\frac{1}{2}$	\$39.95	1,600	$20\frac{1}{2} \times 29\frac{1}{2}$	275	99R841 $\frac{1}{2}$
99R841 $\frac{1}{2}$	\$47.00	2,000	$25\frac{1}{4} \times 34\frac{1}{2}$	335	99R842 $\frac{1}{2}$
99R841 $\frac{1}{2}$	\$49.20	2,500	$25\frac{1}{4} \times 34\frac{1}{2}$	365	99R842 $\frac{1}{2}$

16-Piece Blue and White Enamelled Ware Set

A HEAVY, DURABLE SET AT A BARGAIN PRICE.

\$10⁷⁵

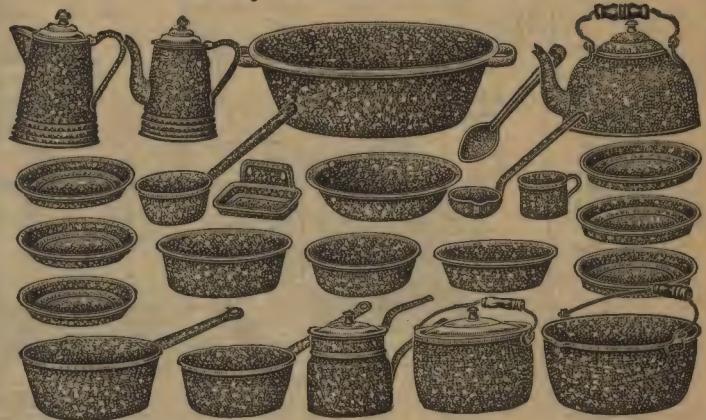


Modern high grade ware that is worthy of use in any kitchen. All pieces have white enamel lining. All pieces have flat bottoms and will fit any size stove.

99R2260—Price, per set.....(Shipping weight, about 44 pounds).....

\$10.75

24-Piece Outfit of Our Celebrated Two-Coat Gray Enamelled Ware.



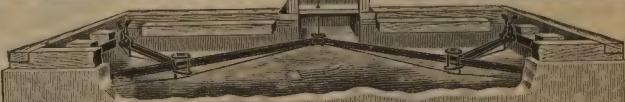
The outfit to begin housekeeping with; all the pieces necessary about a kitchen. Have flat bottoms and fit any size stove.

99R2251—Shipping weight, about 50 pounds. Price, per set.....

\$10.65

Atlas Pit Scale

The scale requires a pit 22 inches deep in which the scale is mounted and the platform is then level with the surrounding ground. Beam boxes are well made, painted and fitted with good lock and key. Building plans and directions included. Weight beams are solid brass. Upper bar of the double beam



is marked to 1,000 pounds by 5-pound marks; lower bar by 500-pound notches to 9,000 pounds.

The triple beam has upper bar marked to 2,000 pounds by 10-pound marks, lower bar to 500 pounds by 5-pound marks and the middle bar to 9,000 pounds by 500-pound notches. The 8-ton has one loose weight for weighing between 5 and 8 tons. Platform size is 8×14 feet. Lumber for platform and frame is not included at prices shown.

99R8425 $\frac{1}{2}$ —5-Ton Double Beam Atlas Pit Scale. Shipping weight, 565 pounds. \$79.80
99R8427 $\frac{1}{2}$ —5-Ton Triple Beam Atlas Pit Scale. Shipping weight, 600 pounds. \$93.75
99R8429 $\frac{1}{2}$ —8-Ton Triple Beam Atlas Pit Scale. Shipping weight, 800 pounds. \$127.50
Price.....

Atlas Pitless Scale

The levers under the platform are T shape steel beams. The bearing pivots are of hardened tool steel and rest in hard bearing loops, which mean long life and an accurate sensitive bearing. Weigh beams are solid brass. Upper bar of the double beam is marked to 1,000 pounds by 5-pound marks; lower bar by 500-pound notches to 9,000 pounds; capacity of scale, 9,000.

The triple beam has upper bar marked to 2,000 pounds by 10-pound marks, the lower bar to 500 pounds by 5-pound marks and the middle bar to 9,000 pounds by 500-pound notches; heavy steel I beams securely tied together by iron pipe and special locknuts make a rigid steel frame on which the wood platform is mounted. Furnished complete with painted beam box and full directions. Lumber for frame and platform not included.

99R8431 $\frac{1}{2}$ —5-Ton Pitless Scale. Furnished for wood ends, with double beam. Shipping weight, 900 pounds. Price.....

99R8433 $\frac{1}{2}$ —5-Ton Pitless Scale. Furnished with steel ends and triple beam. Shipping weight, 900 pounds. Price.....

Sears, Roebuck and Co.
Chicago

\$1035



Stamped Aluminum Cooking Utensils

Standard high grade solid aluminum ware, the most economical ware to buy where service and durability are desired. Handsome in appearance. Light in weight and heats quickly. Sold under our guarantee of absolute satisfaction or money returned.

Our "Best Made" Aluminum Convex Kettle.
9R2212—State size.
Capacity About Weight, Price
4 qts. 1½ lbs. \$1.45
6 qts. 1½ lbs. 1.65
8 qts. 1½ lbs. 2.00
10 qts. 2 lbs. 2.45

Our "Best Made" Aluminum Convex Sauceman
9R2223—State size.
Capacity About Weight, Price
3 qts. 1½ lbs. \$1.10
4 qts. 1½ lbs. 1.45
6 qts. 1½ lbs. 1.70
8 qts. 1½ lbs. 2.05



\$2.15 Our "Best Made" Aluminum Combination Convex Steam Cooker.

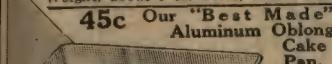
Three utensils in one. Steamer, Convex Kettle, Colander. Consists of 6-quart kettle with cover to fit, and 3-quart steamer compartment. Shipping wt., 3 pounds.

99R2385
Price ...\$2.15



40c Our "Best Made" Aluminum Square Jelly Cake Pan.

9R2250—Size, 9x9 inches. Weight, about 5 oz. Price, each...40c

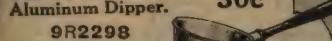


45c Our "Best Made" Aluminum Oblong Cake Pan.



9R2252 Size, 12x8 in.

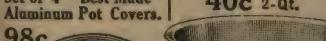
Weight, about 6 oz. Price, each...45c



Our "Best Made" Aluminum Dipper.

9R2298 Wood Handle. Capacity, 1 pint. Price 30c

Set of 4 "Best Made" Aluminum Pot Covers.



98c Our "Best Made" Aluminum Pudding Pan.



9R2242 State size.

Capacity About Weight, Price

1 qt. 3 oz. \$0.30

2 qts. 5 oz. .40

3 qts. 6 oz. .50

4 qts. 10 oz. .70

6 qts. 13 oz. 1.08

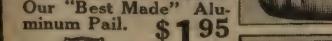


Our "Best Made" 98c Aluminum Muffin Pans.



9R2247—9-cup size. Weight, about 12 oz. 98c

9R2246—6-cup size. Weight, about 8 oz. 72c

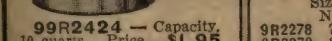


Our "Best Made" Aluminum Pail.

\$1.95 10-qt. Shpg. weight, about 3½ lbs.



99R2424—Capacity, 10 quarts. Price...\$1.95



99R2425—Capacity, 12 quarts. Price...\$2.15



Our "Best Made" Aluminum Lipped Convex Kettle. With Patent Ears for Holding Cover in Place When Pouring Hot Contents.

Capacity Shpg. Wt. Price
99R2409 6 quarts 2½ lbs. \$1.75
99R2410 8 quarts 3 lbs. 2.15



\$2.15 Our "Best Made" Aluminum Combination Convex Steam Cooker.

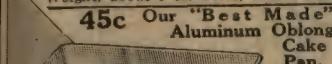
Three utensils in one. Steamer, Convex Kettle, Colander. Consists of 6-quart kettle with cover to fit, and 3-quart steamer compartment. Shipping wt., 3 pounds.

99R2385
Price ...\$2.15



40c Our "Best Made" Aluminum Square Jelly Cake Pan.

9R2250—Size, 9x9 inches. Weight, about 5 oz. Price, each...40c

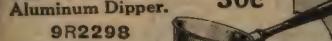


45c Our "Best Made" Aluminum Oblong Cake Pan.



9R2252 Size, 12x8 in.

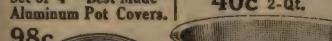
Weight, about 6 oz. Price, each...45c



Our "Best Made" Aluminum Dipper.

9R2298 Wood Handle. Capacity, 1 pint. Price 30c

Set of 4 "Best Made" Aluminum Pot Covers.



98c Our "Best Made" Aluminum Pudding Pan.



9R2242 State size.

Capacity About Weight, Price

1 qt. 3 oz. \$0.30

2 qts. 5 oz. .40

3 qts. 6 oz. .50

4 qts. 10 oz. .70

6 qts. 13 oz. 1.08

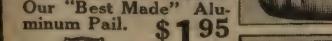


Our "Best Made" 98c Aluminum Muffin Pans.



9R2247—9-cup size. Weight, about 12 oz. 98c

9R2246—6-cup size. Weight, about 8 oz. 72c

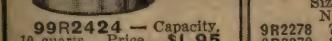


Our "Best Made" Aluminum Pail.

\$1.95 10-qt. Shpg. weight, about 3½ lbs.



99R2424—Capacity, 10 quarts. Price...\$1.95



99R2425—Capacity, 12 quarts. Price...\$2.15

TURN TO PAGE 1028 AND READ THE DESCRIPTION OF OUR "MOORE SELF WINDING CLOTHES LINE REEL." A WONDERFUL CONVENIENCE FOR THE HOUSEWIFE.



Our "Best Made" Pure Aluminum Roaster.

Economical. Sanitary.

Size over all, 16x11½x8 inches high. Shipping weight, about 4½ pounds.

99R2428—Price \$4.35

Our "Best Made" Aluminum Round Roaster.

Economical. Seamless.

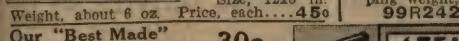
Measures 12 inches outside diameter. Height, 6½ inches. Shipping weight, 2½ pounds.

99R2427—Price \$2.45



40c Our "Best Made" Aluminum Square Jelly Cake Pan.

9R2250—Size, 9x9 inches. Weight, about 5 oz. Price, each...40c



45c Our "Best Made" Aluminum Oblong Cake Pan.



9R2252 Size, 12x8 in.

Weight, about 6 oz. Price, each...45c



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9R2298 Wood Handle. Capacity, 1 pint. Price 30c

Set of 4 "Best Made" Aluminum Pot Covers.



98c Our "Best Made" Aluminum Pudding Pan.



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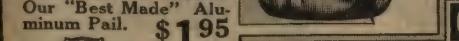


Our "Best Made" 98c Aluminum Muffin Pans.



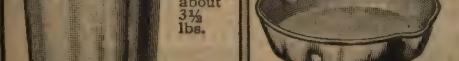
9R2247—9-cup size. Weight, about 12 oz. 98c

9R2246—6-cup size. Weight, about 8 oz. 72c

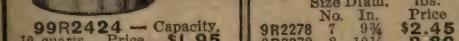


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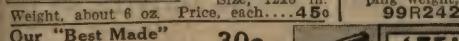
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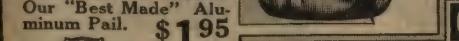


Our "Best Made" 98c Aluminum Muffin Pans.



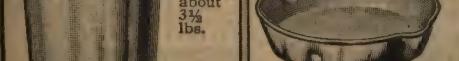
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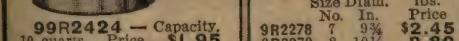


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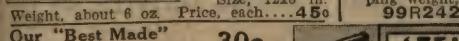
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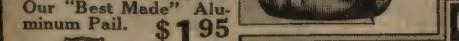


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9R2246—6-cup size. Weight, about 8 oz. 72c

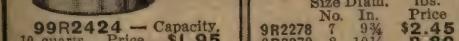


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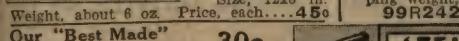
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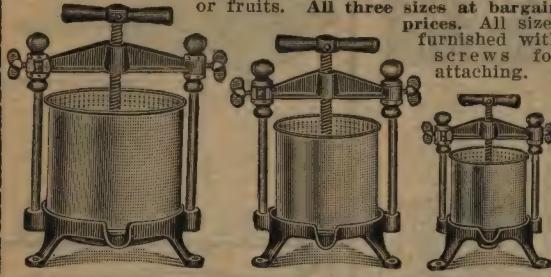
4 qts. 10 oz. .70

6 qts. 13 oz.

\$3.10 LARD, WINE AND JELLY \$4.60 PRESSES.

4-QT. SIZE.

Well made, durable household presses, with heavy tin cylinders and deep, well cut threads on steel screws that will not slip and that give tremendous pressure in extracting all the juices from either meats or fruits. All three sizes at bargain prices. All sizes furnished with screws for attaching.



99R2813 — 10-Qt.

Size. Shpg. wt. about 46 lbs. Price... \$4.60

99R2812 — 4-Qt.

Size. Shpg. wt. about 26 lbs. Price... \$3.10

99R2811 — 2-Qt.

Size. Shipping wt. abt. 14 lbs. Price... \$1.70

Sausage Stuffers.

\$1.25

Lever pattern, black family size. Stuffed iron, extra long lever; furnished with screws for attaching.

99R2808 — Family size

Shpg. wt. abt. 9 lbs.

OUR PRICE
\$3.95



\$1.60 BUTCHERS' SIZE.

99R2809 — Butchers' size

Shpg. wt. abt. 14 lbs.

Kitchen Saw Knife.

35c

Made from steel, with a saw on one edge and a knife on the other. Very handy for slicing meat, bread, cake, etc., the saw being particularly adapted to cutting bone. Length of blade, 12 inches. Weight, about 6 ounces.

99R2780 — Price

35c

Enterprise Sausage Stuffers, Lard and Fruit Presses.

\$7.10 Strong and durable, black finished. Iron outer cylinder bored true to size. Two quart size has rack movement. 4-quart, 6-quart and 8-quart sizes have screw movement. Each size has an extra plate. All sizes furnished with screws for attaching.

99R2801 — 2-Qt. Size. Shpg. wt. about 30 lbs. Price... \$7.10

99R2803 — 4-Quart Size. Shpg. wt. about 45 lbs. Price... \$9.75

99R2804 — 6-Quart Size. Shpg. wt. about 60 lbs. Price... \$11.10

99R2805 — 8-Quart Size. Shpg. wt. about 63 lbs. Price... \$12.00



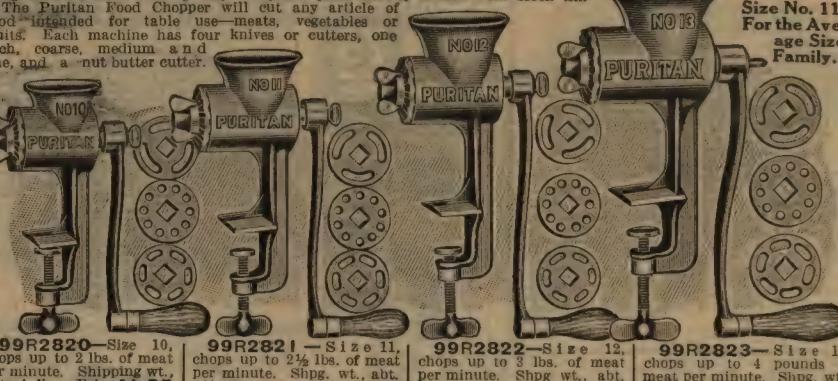
PURITAN FOOD CHOPPERS.

RECIPE BOOK INCLUDED.

\$1 6

Barrel straight ribbed inside, cylinder fits snugly against the straight ribs and, with a scissors-like action, cuts the food into small pieces before it reaches the knives. Long handle makes turning easy. Exposed parts heavily coated with block tin.

The Puritan Food Chopper will cut any article of food intended for table use—meats, vegetables or fruits. Each machine has four knives or cutters, one each, coarse, medium and fine, and a nut butter cutter.



99R2813 — 10-Qt.

Size. Shpg. wt. about 46 lbs. Price... \$4.60

99R2812 — 4-Qt.

Size. Shpg. wt. about 26 lbs. Price... \$3.10

99R2811 — 2-Qt.

Size. Shipping wt. abt. 14 lbs. Price... \$1.70

99R2820 — Size 10,

chops up to 2 lbs. of meat per minute. Shipping wt. abt. 4 lbs. Price... \$1.35

99R2821 — Size 11,

chops up to 2 1/2 lbs. of meat per minute. Shpg. wt. abt. 4 1/2 lbs. Price... \$1.65

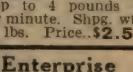
99R2822 — Size 12,

chops up to 3 lbs. of meat per minute. Shpg. wt. abt. 6 pounds. Price... \$1.95

99R2823 — Size 13,

chops up to 4 pounds of meat per minute. Shpg. wt. about 7 lbs. Price... \$2.50

Size No. 11.
For the Average Size Family.



Enterprise Food Chopper.

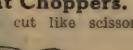
Will chop any article of food intended for table use. Furnished with three knives and nut butter cutter, as illustrated. Chops up to 22 pounds meat minute. Shipping weight, about 6 lbs.

99R2825 — Price... \$2.20

Enterprise Power Meat Chopper.

Chops 150 lbs. meat an hour. Size of drive pulley 12x2 in. Speed, 200 to 250 revolutions per minute. Power required, 1/2 to 3/4 horse-power. (Size No. 22P.) Shipping weight, about 40 lbs.

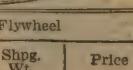
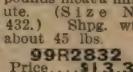
99R2833 — Price... \$8.90



Enterprise Meat Choppers.

Made of cast iron, heavily tinned, have guaranteed knives, which cut like sciss-

ors. Choppers that require screws are furnished with screws for attaching.



FULTON GRAIN MILL.



Grind the Whole Grain! Use It All!

Get Three Loaves of Bread Where You Have Been Getting Two. Do not throw away the part that is most palatable and best for your bodily health. Every housewife should have a Fulton Grain Mill and make in her own kitchen.

Fresh, Sweet and Pure Flour as Needed.

Children grow sturdy and strong on homemade muffins, bread and cake made from home ground flour and meals, which contain all the health giving, natural nutriment of the entire grain.

Fulton Grain Mills are well made and guaranteed to give satisfactory results. Hopper holds about 2 pounds. Actual weight, 11 pounds. Shpg. wt. 18 lbs.

99R6127 — Our price, \$3.95

For Making Home Ground Flour and Meal From Wheat, Rye, Barley, Rice, Corn, Etc.

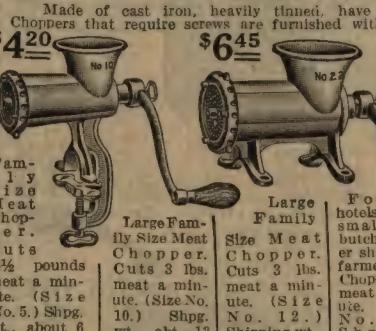
Family Size Meat Chopper. Cuts 1 1/2 pounds meat a minute. (Size No. 10.) Shpg. wt. abt. 6 lbs.

99R2667 — Our price, \$4.20

Made of cast iron, heavily tinned, have guaranteed knives, which cut like sciss-

ors. Choppers that require screws are furnished with screws for attaching.

\$13.35



99R2801 — 2-Qt. Size. Shpg. wt. about 30 lbs. Price... \$7.10

99R2803 — 4-Quart Size. Shpg. wt. about 45 lbs. Price... \$9.75

99R2804 — 6-Quart Size. Shpg. wt. about 60 lbs. Price... \$11.10

99R2805 — 8-Quart Size. Shpg. wt. about 63 lbs. Price... \$12.00

99R2827 — Our price, \$4.20

99R2828 — Our price, \$4.20

99R2829 — Our price, \$4.45

99R2830 — Our price, \$4.45

99R2831 — Our price, \$4.45

99R2832 — Our price, \$4.45

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99R2924 — Our price, \$4.45

99R2925 — Our price, \$4.45

99R2926 — Our price, \$4.45

99R2927 — Our price, \$4.45

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99R2930 — Our price, \$4.45

99R2931 — Our price, \$4.45

99R2932 — Our price, \$4.45

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99R2936 — Our price, \$4.45

99R2937 — Our price, \$4.45

99R2938 — Our price, \$4.45

99R2939 — Our price, \$4.45

99R2940 — Our price, \$4.45

99R2941 — Our price, \$4.45

99R2942 — Our price, \$4.45

99R2943 — Our price, \$4.45

99R2944 — Our price, \$4.45

99R2945 — Our price, \$4.45

99R2946 — Our price,

"Protection"

GALVANIZED WIRE SCREEN CLOTH.

\$4.60
30-Inch
50-Ft. Roll

THREE-YEAR GUARANTEE.
We will replace without charge any "Protection" Galvanized Wire Screen Cloth bought of us if it rusts and is returned to us within three years. This screen is not guaranteed in sea coast communities against corrosion from salt sea air.

12-Wires-to-Inch Each Way Triple Selvage "Protection" Screening.

Width.	24 In.	26 In.	28 In.	30 In.	32 In.	36 In.	42 In.	48 In.
99R4506—25-Ft. Roll...	\$2.00	\$2.15	\$2.30	\$2.45	\$2.60	\$2.90	\$3.35	\$3.80
99R4507—50-Ft. Roll...	3.70	4.00	4.30	4.60	4.90	5.50	6.40	7.30
99R4508—100-Ft. Roll...	7.20	7.80	8.40	9.00	9.60	10.80	12.60	14.40

Espcially recommended for use in sea coast communities. Not guaranteed for any specific length of time by us. Fourteen wires to inch each way.

Copper Wire Fly Screen Cloth

Width.	24 In.	26 In.	28 In.	30 In.	32 In.	36 In.	42 In.	48 In.
99R45—25-Ft. Roll...	\$12.00	\$13.00	\$14.00	\$15.00	\$16.00	\$18.00	\$21.00	\$24.00
99R45—50-Ft. Roll...	24.00	26.00	28.00	30.00	32.00	36.00	42.00	48.00

Painted Fly Screen Cloth

Width.	24 In.	26 In.	28 In.	30 In.	32 In.	36 In.	42 In.	48 In.
99R4500—25-Ft. Roll...	\$1.60	\$1.70	\$1.80	\$1.90	\$2.00	\$2.20	\$2.55	\$2.90
99R4501—50-Ft. Roll...	2.90	3.10	3.30	3.50	3.70	4.10	4.80	5.50

99R4502—100-Ft. Roll...

Wt. per 100-ft. Roll, abt. 20 lbs. 22 lbs. 24 lbs. 26 lbs. 28 lbs. 32 lbs. 36 lbs. 42 lbs.

APPROXIMATE SHIPPING WEIGHTS OF WIRE SCREEN CLOTH.

Width.....24 in. 26 in. 28 in. 30 in. 32 in. 36 in. 42 in. 48 in.

Wt. per 100-ft. Roll, abt. 20 lbs. 22 lbs. 24 lbs. 26 lbs. 28 lbs. 32 lbs. 36 lbs. 42 lbs.

\$9.00
30-Inch
100-Ft. Roll

Illustration showing workers at work.

\$5.90 Double Wall Fireproof Cash Box.

Double walls, filled between with fireproof cement, offers protection against all usual exposure to fire. Outside dimensions, 13x9x7 in. Inside dimensions, 10x6 $\frac{1}{4}$ x4 in.

For money, insurance policies and other valuable papers that are commonly put away in furniture drawers, making loss certain in case of fire. This box is not burglar proof, but gives good protection against ordinary sneak thieves, as it is made with good strong shackles and padlock with two keys. Shipping weight, about 55 pounds.

992450—Price, complete.....\$5.90

NOTE—Box should always be kept on lower floor near ground so as not to be broken open by falling in case of fire.

95c

Tin Deed or Cash Box.

Black finish, Size, 12x8x5 in. Shipping wt. about 3 lbs. **992462** Price, .95c

With Lock and Key.

ALL STEEL SCREEN DOOR SET.

One pair 39c
wrought steel loose
SET. pin japanned bats
2 $\frac{1}{2}$ x2 $\frac{1}{2}$ inches, 1
wrought steel door
pull, 1 hook and
eye and 1 heavy
spiral door spring
with hooks and
screws. Weight,
about 14 ounces.
994099—Price, per set.....39c

HOLD BACK SCREEN DOOR SET.

20c One pair japan-
ned hold back
spring hinges, with screws,
1 wrought steel door pull,
1 hook and eye. Wt.,
about 15 ounces.

9R4097 Price, per set.....20c

JAPANNED IRON SCREEN
DOOR SPRING HINGES.

Heavy. May be used
on either right or left
hand doors, with screws. PAIR
Weight, about 12 ounces.

9R4095 Price, per pair.....16c

BRIGHT WIRE
HOOKS AND
EYES.

doz.
2-Inch.
9R4224 Length, inches.....2.....4.....4
Weight, per doz., about, oz.8.....16.....16
Per package of 1 dozen.16c.....32c

Wire Screen Enamel.
Green or Black Wire
Screen Enamel. Ready
for use; does not clog
meshes of screens. Apply
with a varnish brush, 1
or 1 $\frac{1}{2}$ inches wide. Be
sure to mention color
and catalog number.

30R2175—Green. Shpg. Wt.,
1/2-pint can.....1 $\frac{1}{2}$ lbs.\$0.18
1-quart can.....2 $\frac{1}{2}$ lbs.0.48
1-gallon can.....12 lbs.1.46

Foot Scraper.

Has a brush on each end of
the scraper, neatly
finished. Wt., about 1 $\frac{1}{2}$ lbs.
9R4187 Price38c

HOUSEHOLD SOLDERING
OUTFIT.

Will pay for itself in a short time mending
pots, pans, etc. Consists of a small
soldering iron, a scraper, a bar of solder
and a box of rosin. Weight, about 1 pound.
9R5875—Price32c

SPIRAL DOOR SPRINGS.

9R4102—Made of oil tempered
steel, nicely japanned. Length, 16 in.
Size, 2 $\frac{1}{2}$ in. Wt., abt. 4 oz. Price, 2 for 10c

22c SCREEN WIRE CLOTH
STAPLES.

1 lb. For tacking on wire cloth.
Blued steel, sharp points, about
2,000 in a pound.
9R4304 Per 1-pound package.....22c



SCREEN DOOR CATCHES.

20c and 38c **SR4091**—Lacquer finished. With stop knobs and screws. Wt., about 11 oz. Each...20c
9R4093 Electro bronze plated ornamental iron with screws. Wt., about 11 ounces. Price, each.....38c

ELECTRO PLATED STEEL SCREEN DOOR LATCHES.

63c Very neat and durable. Size of 1 $\frac{1}{4}$ in. 2 $\frac{3}{8}$ x2 $\frac{3}{8}$ inches. Wt., about 12 oz. **9R4808** Old copper finish. Price, with screws.....63c Lemon brass finish. Price, with screws.....63c

SCREEN AND PORCH COUPLINGS.

30c DOZ. 25c DOZ. A simple and strong method of joining screen sections or storm windows on verandas, sleeping porches, etc. Japanned steel with screws. **9R4113**—Corner Couplings. Weight, about 14 ounces. Price, per dozen.....30c **9R4111**—Flat Couplings. Weight, about 10 ounces. Price, per dozen.....25c

BRACKET SCREEN HANGERS FOR FULL LENGTH SCREENS.

11c A hanger and set. Complete for hanging full length screens and storm sash. Made of steel, japanned. Complete with screws, hooks and eyes to hold the screen shut at the bottom. Weight, about 3 oz. **9R4107** Price, per set.....11c

BRACKET SCREEN HANGERS FOR HALF SCREENS.

Made of steel, japanned. Complete with screws, hooks and eyes to hold the screen shut at the bottom. Wt., about 2 ounces. **9R4109**—Price, per set.....10c

Stamped Steel Window Screen Corner Brackets.

17c For screen window frames. Packed with screws. Four to a set. Weight, about 6 ounces. **9R4115** Price, per set.....17c

Adjustable Screen Door Braces.

9c Can be used on any screen door. Will prevent sagging; with screws. Wt., ea., about 4 oz. **9R4119** Price, each.....9c

FOR READY MADE COMBINATION SCREEN AND STORM DOORS SEE PAGE 1214.

\$6.50

BIRD CAGES.

\$3.20

\$2.95

\$2.45

\$1.60

\$1.30

\$1.00

\$0.70

\$0.50

\$0.30

\$0.20

\$0.10

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Contractors Save Money Here!

80c Push Plates.

Size, about $2\frac{3}{4}$ x $10\frac{1}{2}$ inches. Wt., about 12 oz.

9R4670

Genuine brass, old copper finish.

Price, ea. 80c

9R4630

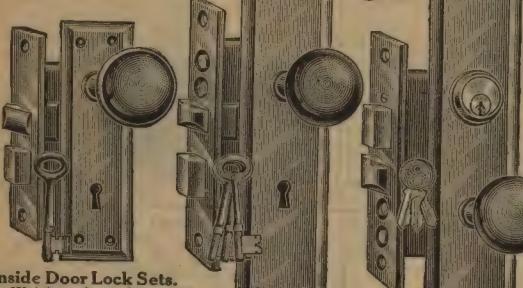
Genuine brass, lemon finish.

Price, ea. 80c

\$1.95

\$3.85

CHICAGO DESIGN.



Inside Door Lock Sets.

Weight, about 2 pounds.
9R4680—Genuine brass, old copper finish.

Price, per set.....\$1.95
9R4620—Genuine brass, lemon finish.

Price, per set.....\$1.95

Electro plated steel face, knobs and escutcheons.

9R4679—Old copper finish. Price, per set.....\$80c
9R4619—Lemon brass finish. Price, per set.....\$80c

Electro plated steel face and escutcheons, black knobs.

9R4678—Old copper finish. Price, per set.....\$80c
9R4618—Lemon brass finish. Price, per set.....\$80c

Hook Sash Lifts.

Bevel edges. Size, about $1\frac{1}{2}$ in. Wt., abt. 1 oz.
9R4770—Polished old copper finish. Price, each.....70c

9R4524—Lemon brass finish. Price, each.....70c

Electro Plated Steel.

9R4768—Old copper polished finish. Each.....20c
9R4522—Lemon brass finish. Price, each.....20c

Flush Sash Lifts.

Electro plated steel. Size, $3\frac{1}{2}$ x $1\frac{1}{2}$ in. Weight, about 1 oz.

9R4766—Polished old copper finish. Each.....4c
9R4526—Lemon brass finish. Price, each.....4c

Sash Lift.

6c Size, $3\frac{1}{2}$ in. Cast iron. Wt., abt. 2 oz.

9R4760—Old copper finish. Price, each.....6c
9R4530—Lemon brass finish. Price, each.....6c

Braided Sash Cord.

\$1.95

Size, $\frac{1}{4}$ inch. Put up in bundles of 100 feet. Weight, about $2\frac{1}{4}$ pounds.

9R4260 Price, per bundle.....\$1.95

90c Automatic Sash Holders.

Take place of sash weights. Size, $3\frac{1}{4} \times 1\frac{1}{2}$ inches. For sash weighing up to 30 lbs. each. Wt., about $1\frac{1}{4}$ lbs.

9R4262 Set of 4.....90c

75c

DOOR BELLS.

Electric Push Buttons.

9R4666

Genuine brass, old copper finish. Wt., about 3 oz.

Price, each.....75c

9R4631

Genuine brass, lemon finish. Wt., about 3 oz. Each. 75c

See Pages 1250 and 1251 for Electric Bells, Batteries, Etc.

Bell Turns.

With $3\frac{1}{2}$ - inch nickel plated gong. Wt., abt. 1 lb.

9R4668

Genuine brass, old copper finish.

Price, each.....\$1.00

9R4632—Genuine brass, lemon finish. Each. \$1.00

\$1.00

DOOR BELLS.

Electric Push Buttons.

9R4686

Genuine brass, old copper finish. Wt., about 3 ounces.

Price, each.....75c

9R4614

Genuine brass, lemon finish. Wt., about 3 ounces.

Price, each.....75c

75c

DOOR BELLS.

Bell Turns.

With $3\frac{1}{2}$ -in. nickel plated gong.

Wt., abt. 1 pound.

9R4684—Gen-

brass, old copper finish. Each. \$1.00

9R4616—Genuine

brass, lemon finish.

Price, each.....\$1.00

\$1.00

75c

Glass Push Plates.

Beveled Edge Plate Glass.

Very attractive and easily cleaned. Nothing to discolor or tarnish. Size, $2\frac{1}{8} \times 1\frac{1}{2}$ inches. Weight, per pair, about 2 pounds.

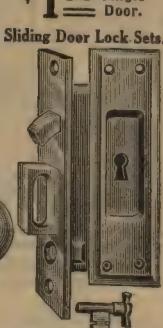
9R4719

Price, per pair.....75c

See Pages 1250 and 1251 for Electric Bells, Batteries, Etc.

\$1.00 Single Door.

Sliding Door Lock Sets.



\$2.15

Single Door.

Sliding Door Lock Sets.



\$4.35

Single Door.



\$10.45

Single Door.



\$2.00 Sing

Door.



See Pages 1250 and 1251 for Electric Bells, Batteries, Etc.

EMERALD DESIGN.



Inside Door Lock Sets.

Weight, about 2 lbs.
9R4672—Old copper finish. Per set.....\$1.95

For single doors, flat front. Per set.....\$1.95

For double doors, flat front. Per set.....\$2.95

For double doors, astragal front. Per set.....\$3.65

9R4628—Lemon brass finish. Per set.....\$1.95

For single doors, flat front. Price, per set.....\$1.95

For double doors, flat front. Price, per set.....\$2.95

For double doors, astragal front. Per set.....\$3.65

9R4629—Old copper finish. Per set.....\$1.95

Same as above, except has electro plated steel face, knobs and escutcheons.

9R4696—Old copper finish. Per set.....\$1.95

9R4606—Genuine brass, lemon finish. Per set.....\$1.95

9R4602—Lemon brass finish. Per set.....\$1.95

Same as above, except has electro plated steel face, knobs and escutcheons.

9R4694—Genuine brass, old copper finish. Per set.....\$1.95

9R4609—Genuine brass, lemon finish. Per set.....\$1.95

9R4605—Lemon brass finish. Per set.....\$1.95

Same as above, except has electro plated steel face, knobs and escutcheons.

9R4662—Lemon brass finish. Per set.....\$1.95

Same as above, except has electro plated steel face, knobs and escutcheons.

9R4664—Lemon brass finish. Per set.....\$1.95

Same as above, except has electro plated steel face, knobs and escutcheons.

9R4666—Lemon brass finish. Per set.....\$1.95

Same as above, except has electro plated steel face, knobs and escutcheons.

9R4668—Lemon brass finish. Per set.....\$1.95

Same as above, except has electro plated steel face, knobs and escutcheons.

9R4670—Lemon brass finish. Per set.....\$1.95

Same as above, except has electro plated steel face, knobs and escutcheons.

9R4672—Lemon brass finish. Per set.....\$1.95

Same as above, except has electro plated steel face, knobs and escutcheons.

9R4674—Lemon brass finish. Per set.....\$1.95

Same as above, except has electro plated steel face, knobs and escutcheons.

9R4676—Lemon brass finish. Per set.....\$1.95

Same as above, except has electro plated steel face, knobs and escutcheons.

9R4678—Lemon brass finish. Per set.....\$1.95

Same as above, except has electro plated steel face, knobs and escutcheons.

9R4680—Lemon brass finish. Per set.....\$1.95

Same as above, except has electro plated steel face, knobs and escutcheons.

9R4682—Lemon brass finish. Per set.....\$1.95

Same as above, except has electro plated steel face, knobs and escutcheons.

9R4684—Lemon brass finish. Per set.....\$1.95

Same as above, except has electro plated steel face, knobs and escutcheons.

9R4686—Lemon brass finish. Per set.....\$1.95

Same as above, except has electro plated steel face, knobs and escutcheons.

9R4688—Lemon brass finish. Per set.....\$1.95

Same as above, except has electro plated steel face, knobs and escutcheons.

9R4690—Lemon brass finish. Per set.....\$1.95

Same as above, except has electro plated steel face, knobs and escutcheons.

9R4692—Lemon brass finish. Per set.....\$1.95

Same as above, except has electro plated steel face, knobs and escutcheons.

9R4694—Lemon brass finish. Per set.....\$1.95

Same as above, except has electro plated steel face, knobs and escutcheons.

9R4696—Lemon brass finish. Per set.....\$1.95

Same as above, except has electro plated steel face, knobs and escutcheons.

9R4698—Lemon brass finish. Per set.....\$1.95

Same as above, except has electro plated steel face, knobs and escutcheons.

9R4700—Lemon brass finish. Per set.....\$1.95

Same as above, except has electro plated steel face, knobs and escutcheons.

9R4702—Lemon brass finish. Per set.....\$1.95

Same as above, except has electro plated steel face, knobs and escutcheons.

9R4704—Lemon brass finish. Per set.....\$1.95

Same as above, except has electro plated steel face, knobs and escutcheons.

9R4706—Lemon brass finish. Per set.....\$1.95

Same as above, except has electro plated steel face, knobs and escutcheons.

9R4708—Lemon brass finish. Per set.....\$1.95

Same as above, except has electro plated steel face, knobs and escutcheons.

9R4710—Lemon brass finish. Per set.....\$1.95

Same as above, except has electro plated steel face, knobs and escutcheons.

9R4712—Lemon brass finish. Per set.....\$1.95

Same as above, except has electro plated steel face, knobs and escutcheons.

9R4714—Lemon brass finish. Per set.....\$1.95

Same as above, except has electro plated steel face, knobs and escutcheons.

9R4716—Lemon brass finish. Per set.....\$1.95

Same as above, except has electro plated steel face, knobs and escutcheons.

9R4718—Lemon brass finish. Per set.....\$1.95

Same as above, except has electro plated steel face, knobs and escutcheons.

9R4720—Lemon brass finish. Per set.....\$1.95

Same as above, except has electro plated steel face, knobs and escutcheons.

9R4722—Lemon brass finish. Per set.....\$1.95

Same as above, except has electro plated steel face, knobs and escutcheons.

9R4724—Lemon brass finish. Per set.....\$1.95

Same as above, except has electro plated steel face, knobs and escutcheons.

9R4726—Lemon brass finish. Per set.....\$1.95

Same as above, except has electro plated steel face, knobs and escutcheons.

9R4728—Lemon brass finish. Per set.....\$1.95

Same as above, except has electro plated steel face, knobs and escutcheons.

9R4730—Lemon brass finish. Per set.....\$1.95

Same as above, except has electro plated steel face, knobs and escutcheons.

9R4732—Lemon brass finish. Per set.....\$1.95

Same as above, except has electro plated steel face, knobs and escutcheons.

9R4734—Lemon brass finish. Per set.....\$1.95

Same as above, except has electro plated steel face, knobs and escutcheons.

9R4736—Lemon brass finish. Per set.....\$1.95

Same as above, except has electro plated steel face, knobs and escutcheons.

9R4738—Lemon brass finish. Per set.....\$1.95

Same as above, except has electro plated steel face, knobs and escutcheons.

9R4740—Lemon brass finish. Per set.....\$1.95

Same as above, except has electro plated steel face, knobs and escutcheons.

9R4742—Lemon brass finish. Per set.....\$1.95

Same as above, except has electro plated steel face, knobs and escutcheons.

9R4744—Lemon brass finish. Per set.....\$1.95

Same as above, except has electro plated steel face, knobs and escutcheons.

9R4746—Lemon brass finish. Per set.....\$1.95

Same as above, except has electro plated steel face, knobs and escutcheons.

9R4748—Lemon brass finish. Per set.....\$1.95

Same as above, except has electro plated steel face, knobs and escutcheons.

9R4750—Lemon brass finish. Per set.....\$1.95

Same as above, except has electro plated steel face, knobs and escutcheons.

9R4752—Lemon brass finish. Per set.....\$1.95

Same as above, except has electro plated steel face, knobs and escutcheons.

9R4754—Lemon brass finish. Per set.....\$1.95

Same as above, except has electro plated steel face, knobs and escutcheons.

9R4756—Lemon brass finish. Per set.....\$1.95

Same as above, except has electro plated steel face, knobs and escutcheons.

9R4758—Lemon brass finish. Per set.....\$1.95

Same as above, except has electro plated steel face, knobs and escutcheons.

9R4760—Lemon brass finish. Per set.....\$1.95

Same as above, except has electro plated steel face, knobs and escutcheons.

9R4762—Lemon brass finish. Per set.....\$1.95

Same as above, except has electro plated steel face, knobs and escutcheons.

9R4764—Lemon brass finish. Per set.....\$1.95

Same as above, except has electro plated steel face, knobs and escutcheons.

9R4766—Lemon brass finish. Per set.....\$1.95

LATEST DESIGNS AND FINISHES DOOR BELLS.

Chain Door Fastener.

28c

Colonial Glass Knob \$1.95
Inside Lock Set.



Very popular and attractive. Complete with lemon brass finish key-hole escutcheons. Weight, about 2 1/2 pounds.

9R4649 Price, per set.....\$1.95

Electric Push Buttons.

75c 9R4718 Genuine brass, old copper finish. Weight, abt. 3 ounces.

9R4582 Genuine brass, lemon finish. Weight, about 3 ounces.

Price, each.....75c

See Pages 1250 and 1251 for Electric Bells, Batteries, Etc.

Bell Turns.

With 3/4-inch nickel plated gong. Weight, abt. 1 pound.

9R4716 Genuine brass, old copper finish plate.

Price, each.....\$1.00

9R4584—Genuine brass, lemon finish plate.

Price, each.....\$1.00

Electric Push Buttons.

75c 9R4700 Genuine brass, old copper finish. Wt., about 3 oz.

Price, each.....75c

9R4702 Genuine brass, old copper finish. Weight, about 1 pound.

Each.....\$1.00

9R4598—Genuine brass, lemon finish plate.

Weight, about 1 pound.

Each.....\$1.00

Bell Turns.

With 3 1/2-inch nickel plated gong.

9R4702 Genui-

ne brass, old copper plate. Weight, about 1 pound.

Each.....\$1.00

9R4799 Price, each.....28c

STRATFORD DESIGN

\$1.95

\$4.35

\$9.90

\$4.85

For Double Doors.



Inside Door Lock Sets. Weight, about 2 1/4 lbs.

9R4729 Genuine brass, old copper finish.

Price, per set.....\$1.95

9R4571 Genuine brass, lemon finish.

Price, per set.....\$1.95

Same as above, except has electro plated steel face, bolts, knobs and escutcheons. Wt., about 2 lbs.

9R4728 Old copper finish.

Price, per set.....90c

9R4570 Lemon brass finish.

Price, per set.....90c

Three - Tumbler Front Door Lock Sets. Weight, about 4 pounds.

9R4724 Genuine brass, old copper finish.

Price, per set.....\$4.35

9R4576 Genuine brass, lemon finish.

Price, per set.....\$4.35

9R4574 Genuine brass, lemon finish.

Price, per set.....\$9.90

9R4578 Genuine brass, lemon finish.

For single doors.

Price, per set.....\$2.95

9R4580—Lemon brass finish.

Price, per set.....\$4.85

For double doors.

Price, per set.....\$4.85

9R4582—Old copper finish.

Price, per set.....\$1.15

9R4586—Lemon brass finish.

Price, per set.....\$4.40

9R4588—Lemon brass finish.

Price, per set.....\$4.40

9R4590—Lemon brass finish.

Price, per set.....\$4.40

9R4592—Lemon brass finish.

Price, per set.....\$4.40

9R4594—Lemon brass finish.

Price, per set.....\$4.40

9R4596—Lemon brass finish.

Price, each.....40c

Drop Handles With Plates.

40c Nickel plated steel.

Size, 1 1/2 x 1 1/2 inches.

Weight, about 2 oz.

9R4402 Price, each.....150

Brass Drop Handles. 22c Nickel plated brass.

Size, 3 1/2 in. long.

Wt., about 2 ounces.

9R4404 Nickel plated finish.

Price, each.....22c

Brass Knobs. 8c Nickel plated brass.

Size, 1 in. diameter.

Wt., abt. 1 oz.

9R4400 Each.....8c

Bathroom Hooks. 30c Solid brass, nickel plated.

Weight, about 3 oz.

9R4406 Price, each.....30c

Nickel Plated Bathroom Hardware.

Cupboard Turns. Stratford Design Bathroom Lock Sets.

\$2.45 \$2.45

Genuine brass, one side nickel plated, the other side old copper finish. Wt., abt. 2 1/2 lbs.

9R4422 Price, per set.....\$2.45

Ornamental Half Mortise Butts.

48c 3 1/2 -inch.

Genuine brass, one side nickel plated, the other side old copper finish. Wt., abt. 2 1/2 lbs.

9R4420 Price, per set.....\$2.45

Beveled Edge Half Mortise Butts.

51c 3 1/2 -inch.

Genuine brass, one side nickel plated, the other side old copper finish. Wt., abt. 2 1/2 lbs.

9R4421 Price, per set.....\$2.45

Nickel plated steel.

9R4430 Size, in. 2 1/2 x 3 1/2 in. Wt., pair, 4 oz, 1 1/2 lbs.

Per pair. 34c 48c

Loose Pin Nickel Plated Butts.

38c 3 1/2 -inch.

Genuine brass, one side nickel plated, the other side old copper finish. Wt., abt. 2 1/2 lbs.

9R4431 Price, per pair.....36c 51c

Nickel plated steel.

9R4432 Size, in. 2 1/2 x 3 1/2 in. Wt., pair, 4 oz, 1 1/2 lbs.

Per pair. 36c 51c

Nickel plated steel.

9R4433 Size, in. 2 1/2 x 2 1/2 inches. Wt., pair, 14 lbs.

Per pair. 38c 38c

Nickel plated finish.

9R4434 Price, each.....17c

Nickel plated finish.

9R4435 Price, each.....28c

Nickel plated finish.

9R4436 Price, each.....28c

Nickel plated finish.

9R4437 Price, each.....21c

Nickel plated finish.

9R4438 Price, each.....21c

Nickel plated finish.

9R4439 Price, each.....21c

Nickel plated finish.

9R4440 Price, each.....21c

Nickel plated finish.

9R4441 Price, each.....21c

Nickel plated finish.

9R4442 Price, each.....21c

Nickel plated finish.

9R4443 Price, each.....21c

Nickel plated finish.

9R4444 Price, each.....21c

Nickel plated finish.

9R4445 Price, each.....21c

Nickel plated finish.

9R4446 Price, each.....21c

Nickel plated finish.

9R4447 Price, each.....21c

Nickel plated finish.

9R4448 Price, each.....21c

Nickel plated finish.

9R4449 Price, each.....21c

Nickel plated finish.

9R4450 Price, each.....21c

Nickel plated finish.

9R4451 Price, each.....21c

Nickel plated finish.

9R4452 Price, each.....21c

Nickel plated finish.

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9R4459 Price, each.....21c

Nickel plated finish.

9R4460 Price, each.....21c

Nickel plated finish.

9R4461 Price, each.....21c

Nickel plated finish.

9R4462 Price, each.....21c

Nickel plated finish.

9R4463 Price, each.....21c

Nickel plated finish.

9R4464 Price, each.....21c

Nickel plated finish.

9R4465 Price, each.....21c

Nickel plated finish.

9R4466 Price, each.....21c

Nickel plated finish.

9R4467 Price, each.....21c

Nickel plated finish.

9R4468 Price, each.....21c

Nickel plated finish.

9R4469 Price, each.....21c

Nickel plated finish.

9R4470 Price, each.....21c

Nickel plated finish.

9R4471 Price, each.....21c

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Nickel plated finish.

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9R4497 Price, each.....21c

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9R4498 Price, each.....21c

Nickel plated finish.

9R4499 Price, each.....21c

Nickel plated finish.

9R4500 Price, each.....21c

Nickel plated finish.

9R4501 Price, each.....21c

Nickel plated finish.

9R4502 Price, each.....21c

Nickel plated finish.

DOOR CHECKS DOUBLE ACTING SPRING HINGES

IMPROVED LIQUID DOOR CHECKS.

Noiseless door closing device which is simple, strong and durable. Very easy to apply and regulate. Its action is automatic, prompt and effective. Positively prevents the slamming of doors, destruction of glass and jarring of building.

99R4385

For medium inside doors and light outside doors. Shpg. wt., about 12 pounds.

Price, per set, \$6.30



\$6.30

For Medium Doors.

Satisfaction Guaranteed.

The Improved Liquid Door Check is suitable for either right or left hand doors without changing. The spring

is adjustable tension, made of first quality extra heavy spring steel. The checking device is operated by means of a non-freezing liquid and practically eliminates all friction and wear.

99R4386—For heavy inside doors and all ordinary outside doors. Shpg. wt., about 14 lbs. Price, \$7.60

"Can't-Sag" Double Acting Spring Hinges.



\$1.15

A Set.
Black
Finish.

Easily and quickly put on. No cutting of floors necessary. Suitable for all doors $\frac{1}{2}$ to $\frac{3}{4}$ in. thick. Prices below are for a complete set for one door. Shpg. wt., per set, abt. 4 lbs.

99R4372—Dead black finish. Price, per set, \$1.15

99R4844—Old copper finish. Price, per set, \$1.20

99R4657—Lemon brass finish. Price, per set, \$1.20

Adjustable Tension Spring Butts.

\$1.28 A PAIR

3-IN. SIZE
Reversible for right or left hand doors. Japaned steel. The largest hinge that the thickness of the door will permit works best.

99R4374—Double acting, swings both ways. State size.

Weight, per pair, for pair doors, Price,

Size About In. Thick per Pair

3 in. 3 lbs. $\frac{1}{2}$ to $\frac{1}{4}$ in. \$1.28

4 in. 4 lbs. $\frac{1}{2}$ to $\frac{1}{4}$ in. 1.65

5 in. 6 lbs. $\frac{1}{2}$ to $\frac{1}{2}$ in. 2.05

9 in. 9 lbs. $\frac{1}{2}$ to $\frac{1}{2}$ in. 2.75

Rubber Tipped Door Holders.

60c

Black Finish. Operated with foot. Holds door in any position. Cannot injure floor or carpet. Weight, about 12 ounces.

99R4250—Dead black finish. Price, \$60c

99R4794—Old copper polished finish. Price, \$65c

99R4498—Lemon brass finish. Price, \$65c

Cylinder Store \$10.75
Door Locks.

Store Door Locks.

Store or M
Door Hand
90c

\$3.80

\$3.00

Store Door Locks.

Store or M
Door Hand
90c

\$3.00

Fulton High Grade 6-Tube Spring Punch.

Does the Work of Six
Single Tube Punches.

\$1.12



SIX HOLLOW TUBES
OF DIFFERENT SIZES.

Invaluable for repairing harness, belt-
ing, or for any purpose where a good
punch is desired. Has six tubes, all dif-
ferent sizes, quickly set for any size. Tubes and spring are
of tempered steel. Length, 8 inches. Weight, about 12 oz.
9R5865—Price \$1.12

Fulton High Grade 4-Tube Spring Punch.

Four tubes, all different sizes. Tubes and spring are tem-
pered steel. Length, 8 inches. Weight, about 12 ounces.
9R5864—Price .93c

SINGLE TUBE PUNCH.

Single tube pattern. Length, 7½ inches. Tube sizes, 4, 6,
8 and 10. State size. Weight, about 8 ounces.
9R5863—Price .54c

Lever Riveting Machine.

Quick, convenient. Strong and substantial-
ly made. Takes tubular rivets
9 R 5 8 5 2 and
9R5853 shown on
this page. Will not take solid rivets.
Weight, about 4 pounds.
9R5850—Price .45c

\$1.05



Combination
Riveting
Machine and
Leather Punch.

Strong and sub-
stantial. Japan-
ished finish with
polished anvil.
Uses either split
or tubular rivets.
Wt., about 4 lbs.
9R5851—Price .50c

Japanned Tubular
Steel Rivets.

For use with riveting machines
shown on this page and other
similar riveting machines.
size wanted.



% in. 1½ in. ¾ in. ⅓ in. ½ in. 7/16 in. 5/8 in. 1/2 in. 1/4 in. 1/8 in.

Length, in. 9R5853—Japanned

Weight, about 4

Price, per box 20c

Length, in. 9R5853—Tubular

Weight, about 4

Price, per box 19c

Length, in. 9R5853—Tubular

Weight, about 4

Price, per box 18c

Length, in. 9R5853—Tubular

Weight, about 4

Price, per box 17c

Length, in. 9R5853—Tubular

Weight, about 4

Price, per box 16c

Length, in. 9R5853—Tubular

Weight, about 4

Price, per box 15c

Length, in. 9R5853—Tubular

Weight, about 4

Price, per box 14c

Length, in. 9R5853—Tubular

Weight, about 4

Price, per box 13c

Length, in. 9R5853—Tubular

Weight, about 4

Price, per box 12c

Length, in. 9R5853—Tubular

Weight, about 4

Price, per box 11c

Length, in. 9R5853—Tubular

Weight, about 4

Price, per box 10c

Length, in. 9R5853—Tubular

Weight, about 4

Price, per box 9c

Length, in. 9R5853—Tubular

Weight, about 4

Price, per box 8c

Length, in. 9R5853—Tubular

Weight, about 4

Price, per box 7c

Length, in. 9R5853—Tubular

Weight, about 4

Price, per box 6c

Length, in. 9R5853—Tubular

Weight, about 4

Price, per box 5c

Length, in. 9R5853—Tubular

Weight, about 4

Price, per box 4c

Length, in. 9R5853—Tubular

Weight, about 4

Price, per box 3c

Length, in. 9R5853—Tubular

Weight, about 4

Price, per box 2c

Length, in. 9R5853—Tubular

Weight, about 4

Price, per box 1c

Length, in. 9R5853—Tubular

Weight, about 4

Price, per box 0c

Length, in. 9R5853—Tubular

Weight, about 4

Price, per box 0c

Length, in. 9R5853—Tubular

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Price, per box 0c

Length, in. 9R5853—Tubular

Weight, about 4

Price, per box 0c

Length, in. 9R5853—Tubular

Genuine Dewey Stock Waterer.



The Kind Used by Stockmen Everywhere.

A popular and successful stock waterer.

Easily attached to tank or barrel.

Valve is on inside of barrel and

regulated by a float. Trough is made of cast iron and holds 1 gallon.

Furnished complete with rubber gaskets, straining wood blocks and directions for attaching. Shipping weight, about 13 lbs.

99R6270—Price \$1.65

For individual stock waterers see page 1122.

\$1.65

\$2.85 Corner Feed Box.

Cast iron, strong and substantial, takes up but little space.

Heavy roll rim, 15-inch sides; 9 inches deep. Shipping wt., about 25 pounds.

99R4443—Price \$2.85

including screws for attaching.

50c Salt Box.

Cast iron. Takes up but little space and will last lifetime. Size, 5 inches on each side, 4 inches deep.

Weight, about 4 pounds.

9R4244—Price, including screws for attaching.

50c Corner Hay Rack.

Height, 2½ feet, projects 2 feet. Shipping weight, about 15 lbs.

99R4444—Price, including screws for attaching.

\$2.30

No-Sag Adjustable Gate Hinge.

\$1.55

The lower hinge is quickly adjustable by ratchet action to take up the sag so gate always swings clear of the ground. Also gate may be raised to allow small animals to pass under, etc., and directions for attaching.

99R4431—Per set for one gate.

\$1.55

Galvanized Hitching Rings.

2 for 21c

Steel screw. Weight, about 8 ounces.

9R4216—Price, 2 for

21c Price, per box **42c**

Polished Staples.

42c

9R4218—Assorted lengths, 1½ to 3 inches. Six dozen in a box. Weight, about 2 pounds.

9R4230—Price **42c**

Furnished complete with necessary bolts, screws, etc., and directions for attaching. Shipping weight, about 10 pounds.

99R4431—Per set for one gate.

\$1.55

Pivoted Gate Hanger.

85c

Strong, convenient and durable. Works easily. Only one hanger required for a gate.

Weight of gate hangs on center and at its strongest point. Made of steel, japanned. Fastens to post with two lag bolts. Lag bolts included. Weight, about 5 lbs.

9R4230—Price **85c**

Heavy Steel Screw Strap Hinges.

48c

9R4390—Size, inches 10 12 14

Weight, per pair, about, lbs. 4 5 6

Price, per pair, with bolts for attaching **43c 48c 54c**

State size.

48c

9R4220—State length, 6 in.

Lth. in. 4 6 8 10 12 14

Wt. abt. oz. 4 4 4 4 4 4

Price, each **10c 15c**

Tinned Malleable Gate Hooks and Staples.

15c

9R4222—State length, 6 in.

Lth. in. 4 6 8 10 12 14

Wt. abt. oz. 4 4 4 4 4 4

Price, each **10c 15c**

Self Closing Gate Hinges.

14c

9R4228—Price, per set, with

58c screws **14c**

Used with hinge 9R4228.

Weight, about 12 ounces.

9R4226—Price, per set, with

58c screws **14c**

Gate Latch.

14c

9R4228—Price, per set, with

58c screws **14c**

Grasshopper Latch.

45c

9R4228—Price, per set, with

58c screws **14c**

Acme Barn Door Latch.

45c

9R4228—Price, per set, with

58c screws **14c**

Barn Door Pull.

9c

9R4236—Price, per set, with

58c screws **14c**

Heavy Barn Door Latch.

43c

9R4234—Price, per set, with

58c screws **14c**

Acme Barn Door Latch.

43c

9R4232—Price, per set, with

58c screws **14c**

Acme Barn Door Latch.

43c

9R4230—Price, per set, with

58c screws **14c**

Barn Door Pull.

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9R4236—Price, per set, with

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58c screws **14c**

Acme Barn Door Latch.

43c

9R4232</b

TYLER'S SAFETY WEANERS

Does not go through calf's nose nor make it sore. Side protection prevents calf sucking sideways. Guaranteed to wean the most obstinate cases. State size. 25c
No. 2. 9R6094

Size 1, for small calves. Wt., about 4 oz. 20c
Size 2, for large calves. Wt., about 4 oz. 25c
Size 3, for yearlings. Wt., about 6 oz. 30c
Size 4, for 2-year-olds and cows. Weight, about 8 ounces. 35c
Parcel post weight on above weaners is 1 lb.

HOOSIER ADJUSTABLE WEANERS.

Does not interfere with feeding. Drops down over mouth and pricks cow when calf attempts to suck. Price includes straps.

Parcel post weight is 6 pounds for each of the three sizes. Wt., Abt. Price
9R6102—Calves 12 oz. 65c
9R6103—Yearlings or Colts 1 lb. 80c
9R6104—Large Yearlings or Cows 1½ lbs. 95c

WIRE BASKET WEANERS.

Does not interfere with feeding, but when head is raised to suck wire basket drops over mouth. Price includes straps.

For Wt., Abt. Price
9R6096—Calves 8 oz. 55c
9R6097—Yearlings 14 oz. 70c
9R6098—Cows 1 lb. 85c

LONG REACH BULL SNAP.

COW POKE. 55c
Adjustable in size, hinged in center.

Sphg. weight, about 3 lbs. 99R6273
Price, 55c
Includes snap with socket and 34-inch chain with ring at end. Has three screw eyes. No wood handle furnished. Wt., about 8 ounces. 9R6084—Price 58c

58c SENSIBLE CATTLE LEADER. 53c
Complete with 10 feet ½-inch manila rope. Weight, about 2 pounds. 9R6086—Price 53c
9R6087—Leader only without rope. Weight, about 1½ pounds. 9R6088—Price 28c

FLUTED PICKET PIN. Extra strong, with swivel. Length, 24c 14 inches. Weight, about 1½ pounds. 9R6042—Price 24c

87c PICKET OR TIE OUT CHAINS.

Size 3-0 Strong, smooth and durable. We recommend for general use the 2½ and 3½ sizes. Swivel snap on one end and 1½-inch ring on the other with a swivel in the center. Length, 30 feet.

9R6036 0 5½ lbs. 62c
9R6037 2/0 6 lbs. 74c
9R6038 3/0 7 lbs. 87c

DOUBLE TOGGLE WIRE LINE COW TIES.

Strong and safe. Smooth links, will not tangle. Easily put on and taken off. 9R6029

Size 4-0, suitable for ordinary size cows. Weight, about 1½ lbs. 9R6030—Price 26c

9R6030—Size 4-0, heavy and strong enough for the largest cow. Wt., abt. 2 lbs. 9R6031—Price 30c

For cattle and horse ties see page 1173. For cow stanchions see page 1122.

DOUBLE TOGGLE FLAT LINK COW TIES.

Toggles do not come unfastened. Extra large and strong. 9R6032

Size 3-0. Weight, about 1½ pounds. Price, 44c

9R6033—Size 5-0. Weight, about 1½ pounds. Price, 58c

EUREKA COW TIES.

Wire Link Double Toggle Cow Ties without swivel. Size 2-0, suitable for ordinary size cows. Wt., abt. 1 lb. 17c

9R6027—Size 3-0, for large size cows. Weight, about 1½ lbs. Price, 22c

17c Size 2-0 Combination Fencing Pliers. Drives, pulls and saves the staples. Will cut No. 9 smooth wire. Length, 10 inches. Weight, about 2 pounds. 9R5842—Price 95c

\$4.35

No. 3.

CRYSTALLINE FARM BELLS.

5.85

No. 4.

METAL EAR LABELS.

For sheep, cattle and hogs. With name on one side and any number or series of numbers on reverse side. Not more than eleven letters in large type can be put on sheep sizes or fifteen on cattle or extra sizes, twenty-two letters can be put on smaller type. We do not furnish less than labels of one name. State name and number. Made to order and shipped from factory. Shipment usually made in from 5 to 10 days.

99R831 ½—Sheep and Hog Size.

Lots of Wt. Oz. With One Name and Numbers One Name or Numbers

25 3 \$0.65 \$0.55

50 6 1.00 0.95

100 12 1.60 1.45

99R832 ½—Cattle Size.

Lots of Wt. Oz. With One Name and Numbers One Name or Numbers

25 ½ \$0.80 \$0.70

50 ¾ 1.30 1.20

100 1½ 2.00 1.80

99R832 ½—Extra Cattle Size.

Lots of Wt. Oz. With One Name and Numbers One Name or Numbers

25 ¾ \$1.00 \$0.90

50 1½ 1.50 1.40

100 2½ 2.25 2.10

Oval Hole Punches for all

Punches holes close label. 99R832 ½—Regular Cattle Sheep and

99R832 ½—Extra Cattle Size.

Size Ear Punch. Wt., about 12 oz. Price, 1.95c

Punch. Wt., about 1½ lbs. Price, 1.10c

ALUMINUM EAR BUTTONS.

Light, will not pull out. Furnished with name and address (not exceeding 15 letters) on one side and name of farm or ranch and any number or series of numbers up to 999 on reverse side. Made to order and shipped from factory only. Shipment usually made in from 5 to 10 days. State name and number.

99R832 ½—With name and number.

Lots of Wt. Oz. 25 50 100 500 3 lbs. 6 lbs.

Wt., abt. 3 oz. 5 oz. 10 oz. 3 lbs. 6 lbs.

Price, \$1.30 \$1.85 \$3.25 \$15.00 \$22.50

99R832 ½—Punch and pliers, each, about 12 ounces. Price, 1.10c

7c CAST IRON STOCK MARKER.

With raised letters — no wear out. To be attached with Eureka Ring and Rivet. Can furnish any single letter, A to Z. Size, 7c diameter. Weight, per dozen, about 4 oz. 100, 100, 14c 9R5054

Per dozen, without rings. Per 100, without rings, 5c

STOCK MARKING PUNCH WITH STEEL CUTTING DIES.

Handles have concealed steel springs.

Length, .11 inches.

State number of die wanted.

Wt., about 1½ lbs.

9R6050—Price, \$1.72

9R6051—Extra Cutting Dies above state number die wanted. Price, 3c

TATTOO STOCK MARKER, WITH INTERCHANGEABLE LETTERS AND FIGURES.

For marking ears of horses, cattle, sheep, hogs, etc. It cannot readily be changed and forms identification mark. Letters or figures taken off or inserted instantly. Letters are ½ inch size. Make a clear, distinct brand and do not injure animal. Full directions on each bottle of tattoo oil. State letter or figures wanted.

9R6045—Marker with any three letter or figures. Weight, 1½ lbs. Price, \$2.30

9R6046—Extra letters or figures. Weight, about 1 ounce. Price, each, 3c

9R6047—Set of Ten Figures, 0 to 9.

9R6048—Tattoo Oil, black, marks 5c

9R6049—Tattoo Oil, red for extra dark skin. Weight, about 4 oz. Per bottle, 49c

HILL'S HOG RINGERS. 11c

9R6065

Fitted with thumbscrew.

Weight, about 10 ounces.

Price, 11c

Rings for above ringer. Made of copper plated wire. Wt., per box, abt. 8 oz.

9R6067—Shoe Size Rings.

9R6066—Hog Size Rings.

9R6068—Pig Size Rings.

Price, per box of 100, any size.

Per doz. boxes. (Wt., about 6 lbs.) 84c

13c EUREKA HOG RINGER. Closer rings properly.

Wt., abt. 8 oz.

9R6062—Price, 13c

Copper Plated Rings for above ringer, 100 in box. Wt., about 10 oz.

9R6063—Price, per box, 100c

Per doz. boxes. (Wt., about 8 lbs.) 11c

J.P. SMITH

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FULTON IMPROVED ADJUSTABLE CORN SHELLER.



suitable for small or large size ears, also equipped with guide for recharging cobs outside of box. A sheller that is guaranteed to be satisfactory in every respect. Can be clamped on any ordinary box. Shpg. wt., about 20 lbs. 99R6141—Price, complete \$1.95

OUR HUSTLER CORN SHELLER.

You cannot afford to do without a corn sheller at our price. This sheller is made of good quality material, has hardened teeth, adjustable spring tension regulated by thumbscrew and will take any size ear. Shells clean from butt to tip and does not crack the grains. Fitted with attachment for shelling popcorn. Quickly attached to any box or board. Shipping weight, about 14 pounds. 99R6140—Price \$1.95

For large hand and power corn shellers see page 1113.

\$1.30 OUR "CORN KING" SEED CORN GRADER.

Has two perforated sorting plates, upper for holding back thick and irregular shaped grains, lower for sifting out small imperfect grains, allowing only perfect, regular shaped grains to pass out the forward end. Shipping weight, about 5 lbs. 99R6146—Price \$1.30

For larger corn graders see page 1117.

JAPANNED FEED BASKET.

95c Extra heavy with corrugated bottom. Capacity, 1 bushel. Shipping wt., about 5 pounds. 99R2171—Price 95c

Made of galvanized steel "4-in-1" DRY FEEDER, with four separate compartments for feeding dry mash, charcoal, oyster shell, grit, etc. Size, 7x7x1 1/2 inches high. Shipping weight, about 5 pounds. 99R6080—Price \$1.15

TRIPLE GRIOT OR SHELL BOX.

60c Prevents waste, keeps grit and shells out of dirt. Grit runs down automatically, but will not run out. Galvanized steel; hangs on wall. Width, 10 inches; height, 10 inches. Shipping weight, about 3 lbs. 99R6087—Price .60c

GALVANIZED FEEDING TROUGH.

65c 24-in.

Prevents waste and keeps fowls from trampling and soiling their food. Guard slides back to make filling easy. Width, about 6 in. Length Shpg. Wt., Abt. Price 99R6084 18 in. 2 lbs. 50c 99R6085 24 in. 2 1/2 lbs. 65c

Drinking Fountains.

Well made of galvanized iron. 99R6075 Capacity about 1 gal. Shpg. wt., about 65c

99R6076 Capacity about 2 gals. Shpg. wt., abt. 3/4 lbs. Price .85c

Waters smallest chicks or largest fowls. Any Mason jar fits. Weight, about 4 ounces. 9R6182—Without glass jar 16c

We Do Not Sell Less Than a Full Package.

ACME ADJUSTABLE HAND GRIST MILLS

\$2.85 Small Size.

For Grinding Stock and Poultry Feeds.

NOT SUITABLE FOR GRINDING FLOUR.

For our Fulton Grain Mill for making home ground flour and meal for table use see page 1040.

Medium Size. \$4.65

For larger cast iron kettles see page 1121.

\$7.80 27-gal.

Good heavy sugar, wash or butchers' kettles. Made strong, with flange around rim and heavy ears and legs. Balls are wrought iron. Capacities given are actual.

Capacity Shpg. Wt. Price

99R2725 13 gals. 47 lbs. \$4.25

99R2726 18 gals. 65 lbs. 5.20

99R2727 27 gals. 99 lbs. 7.80

For larger cast iron kettles see page 1121.

\$2.90 FOR 10 "SECURITY" FOLDING VEGETABLE CRATES.

Capacity, 1 Bushel. For Potatoes, Onions, Tomatoes, Apples, etc.

This strong and substantial open top vegetable crate is well made and will stand an unusual amount of rough handling.

Delivery service, etc.

Easily set up or collapsed. Folds into small

space when not in use. Packed in bundles of

10 crates, eight folded and two set up. Crates measure 18 inches long, 12 inches wide and 13 1/2 inches high. Made of hardwood. Corners

are wired, as shown in illustration. Shipping

weight, per bundle, about 78 pounds.

99R6250—Per bundle of ten \$2.90

HUSKING GLOVE.

Curved palm plate, two malable spur hooks.

Made of leather with double strapped wristband.

Right hand only.

Wt., about 4 oz.

9R6138—Price, each 33c

18c HUSKING GLOVE.

Made of leather. Corrugated steel hook.

Two straps. Right hand only.

Weight, about 2 ounces.

9R6136—Price, each 18c

HUSKING PIN.

Steel pin with steel

guard curved in front of

wide forefinger protector.

Made of leather with

strap. Weight, abt. 1 oz.

9R6134—Price, each 14c

HUSKING PIN.

Steel pin, mounted on

good quality leather with

laced thong adjustment.

Weight, about 1 ounce.

9R6132—Price, each 9c

HUSKING PIN.

Steel pin, mounted on

good quality leather with

laced thong adjustment.

Weight, about 1 ounce.

9R6130—Price, each 14c

A DOZ.

SANITARY WIRE HENS' NESTS.

Keep Down Vermin.

160

POULTRY SUPPLIES AT REASONABLE PRICES

\$1.15

CHICKADEE AUTOMATIC POULTRY FEEDER AND EXERCISER.

95c Keeps Your Chickens Working.

Will give good service and is guaranteed

to satisfy. Round pin pattern only. Actual

wt., about 4 lbs. Shpg. wt., about 6 lbs.

99R5674—Price \$1.70

ONE MAN SAW

For sawing down trees, cutting logs, firewood, timbers, etc. Made of good steel, sharpened and set ready for use. Length of blade, abt. 3 ft. Shpg. wt., abt. 4 lbs.

99R5912—Price, as shown \$1.95

FARMERS' AND MECHANICS' ONE-MAN CROSCUT SAW.

OUR PRICE, \$1.95

FORGED TOOL STEEL AX.

With Hickory Handle. \$1.70

WILL GIVE GOOD SERVICE AND IS GUARANTEED

TO SATISFY. ROUND PIN PATTERN ONLY. ACTUAL

WT., ABOUT 4 LBS. SHPG. WT., ABOUT 6 LBS.

99R5674—PRICE \$1.70

ONE MAN SAW

FOR SAWING DOWN TREES, CUTTING LOGS, FIREWOOD, TIMBERS, ETC. MADE OF GOOD STEEL, SHARPENED AND SET READY FOR USE. LENGTH OF BLADE, ABT. 3 FT. SHPG. WT., ABT. 4 LBS.

99R5912—PRICE AS SHOWN \$1.95

FARMERS' AND MECHANICS' ONE-MAN CROSCUT SAW.

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99R5912—PRICE AS SHOWN \$1.95

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OUR PRICE, \$1.95

FORGED TOOL STEEL AX.

With Hickory Handle. \$1.70

WILL GIVE GOOD SERVICE AND IS GUARANTEED

TO SATISFY. ROUND PIN PATTERN ONLY. ACTUAL

WT., ABOUT 4 LBS. SHPG. WT., ABOUT 6 LBS.

99R5674—PRICE \$1.70

Complete Hose Outfits

SPELL HOSE ECONOMY

Do you realize that, aside from the great convenience and cleanliness of keeping garden hose on a reel, the life of the hose is more than doubled thereby? The reel drains the water from the hose, thus allowing it to dry inside, and pays for itself many times over.



\$15.75
FOR
50-FOOT
OUTFIT

Our "Best Made" Garden Hose Outfits

"An Outfit You Will Be Proud Of."

HANDSOME—STRONG—PRACTICAL.

This "Do Luxe" outfit comprises our "Best Made" Red Corrugated Seamless Garden Hose, our "Best Made" Rubber Tired Stand, Fast Hose Reel and a heavy cast brass hose nozzle. One of the best Garden Hose Outfits ever offered.

NOTE OUR PRICES.

99R6601—50-Foot $\frac{3}{4}$ -Inch Hose, Reel and Nozzle. Shipping weight, about 58 lbs. Complete....\$15.75
99R6602—75-Foot $\frac{3}{4}$ -Inch Hose, Reel and Nozzle. Shipping weight, about 70 lbs. Complete....\$21.25
99R6603—100-Foot $\frac{3}{4}$ -Inch Hose, Reel and Nozzle. Shipping weight, about 84 lbs. Complete....\$26.75

Heavy Braided Cotton Covered Garden Hose.

White in color. Coupled complete, but without nozzle or reel.

Patent Coupling.

Heavy Braided Cotton Cover.

High Grade Rubber Inner Tube.



For all ordinary water pressure. Heavy cotton jacket with high grade rubber inner tube. 25 and 50-foot lengths only, coupled complete. Size, inside, $\frac{3}{4}$ inch.

99R7172 Length 25 ft. Shpg. Wt. 7 lbs. Price \$5.25
99R7173 Length 50 ft. 14 lbs. Price 10.00

GARDEN HOSE ACCESSORIES.

Be Sure to State Size Wanted.

Size of Hose, inside diameter, inch.....	$\frac{1}{2}$	$\frac{3}{4}$	1
9R7092 Gem Pattern Solid Brass Hose Nozzle. Weight, abt. 8 ounces. Each.....			
BR7892 —Nozzle.		60c	
9R7098 —Brass Hose Coupling. Wt., about 5 oz. Each.....	19c	23c	34c
9R7097 —Electro Plated Iron Hose Coupling. Wt., about 5 oz. Each.....			12c
9R7096 —Galvanized Steel Hose Clamp. Weight, about 2 ounces. Each.....	3c	4c	5c
9R7102 —Malleable Iron Hose Splicer. Wt., about 2 oz. Each.....	5c	7c	8c
9R7094 —Rubber Hose Washer. Wt., about 1 oz. Per dozen.....		50	
9R7100 —For connecting hose to iron pipe. State size.			
Pipe	Fits Hose	Weight,	
Size	Coupling	About	
$\frac{1}{2}$ in.	$\frac{3}{4}$ in.	2 oz.	26c
$\frac{3}{4}$ in.	$\frac{3}{4}$ in.	3 oz.	28c
1 in.	1 in.	4 oz.	38c

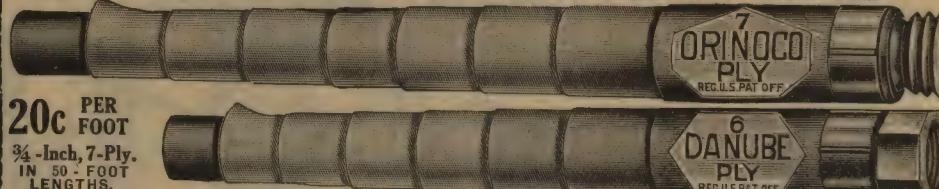
Brass Hose Nipples.

29c

$\frac{3}{4}$ -In.

BUILT-UP RUBBER GARDEN HOSE.

We offer you a good garden hose of exceptional quality considering the prices we quote. Note our Orinoco, Danube, Yukon, Nile and Rio Are Our Own Trade Marks, Registered in U. S. Patent Office.



20c PER FOOT

$\frac{3}{4}$ -Inch, 7-Ply.
IN 50-FOOT LENGTHS.

7-Ply "Orinoco" Hose.

Has heavy rubber inner tube, seven plies of strong cotton fabric and a heavy rubber outer coating. This hose will not kink easily and will last for years if properly cared for. Coupled complete but without reel or nozzle. Shipping weight, 25 feet of $\frac{3}{4}$ -inch, about 9 pounds. Size, inside, $\frac{3}{4}$ inch. Length, Price 99R7234 25 ft. \$4.75
99R7235 50 ft. **9.00**

Length, Price
99R7242 25 ft. \$5.25
99R7243 50 ft. 10.00

\$14.20



"Orinoco" Garden Hose Outfit. Consists of our "Best Made" steel reel, Gem pattern brass nozzle and 50 feet $\frac{3}{4}$ -in. "Orinoco" Hose, coupled complete. Shipping weight, about 50 pounds.

99R6600
Price \$14.20

Same as above. Size, inside, $\frac{3}{4}$ inch; fitted with $\frac{3}{4}$ -inch couplings. Length, Price 99R7232 25 ft. \$4.50
99R7233 50 ft. **8.50**

Length, Price
99R7228 25 ft. \$4.25
99R7229 50 ft. **8.00**

Same as above. Size, inside, $\frac{3}{4}$ inch; fitted with 1-inch couplings. Length, Price 99R7226 25 ft. \$4.00
99R7227 50 ft. **7.50**

Length, Price
99R7230 25 ft. \$5.00
99R7231 50 ft. **9.50**

"Yukon" Garden Hose Outfit. Consists of hard wood reel, Gem pattern brass nozzle and 50 feet of $\frac{3}{4}$ -inch "Yukon" Hose.

Shng. wt., about 26 lbs. 99R6598
Price \$9.60

Length, Price
99R7190 25 ft. \$3.75
99R7191 50 ft. **7.00**

Same as above. Size, inside, $\frac{3}{4}$ inch; fitted with $\frac{3}{4}$ -inch couplings. Length, Price 99R7192 25 ft. \$3.50
99R7193 50 ft. **6.50**

Length, Price
99R7180 25 ft. \$3.25
99R7181 50 ft. **6.00**

Length, Price
99R7182 25 ft. \$3.00
99R7183 50 ft. **5.50**

Length, Price
99R7184 25 ft. \$2.50
99R7185 50 ft. **4.00**

Length, Price
99R7186 25 ft. \$2.25
99R7187 50 ft. **3.50**

Length, Price
99R7188 25 ft. \$2.00
99R7189 50 ft. **3.25**

Length, Price
99R7190 25 ft. \$2.50
99R7191 50 ft. **4.00**

Length, Price
99R7192 25 ft. \$2.00
99R7193 50 ft. **3.50**

Length, Price
99R7194 25 ft. \$1.75
99R7195 50 ft. **3.00**

Length, Price
99R7196 25 ft. \$1.50
99R7197 50 ft. **2.50**

Length, Price
99R7198 25 ft. \$1.25
99R7199 50 ft. **2.00**

Length, Price
99R7200 25 ft. \$1.00
99R7201 50 ft. **1.50**

Length, Price
99R7202 25 ft. \$0.75
99R7203 50 ft. **1.00**

Length, Price
99R7204 25 ft. \$0.50
99R7205 50 ft. **0.75**

Length, Price
99R7206 25 ft. \$0.25
99R7207 50 ft. **0.35**

Length, Price
99R7208 25 ft. \$0.15
99R7209 50 ft. **0.20**

Length, Price
99R7210 25 ft. \$0.10
99R7211 50 ft. **0.15**

Length, Price
99R7212 25 ft. \$0.05
99R7213 50 ft. **0.08**

Length, Price
99R7214 25 ft. \$0.03
99R7215 50 ft. **0.05**

Length, Price
99R7216 25 ft. \$0.02
99R7217 50 ft. **0.03**

Length, Price
99R7218 25 ft. \$0.01
99R7219 50 ft. **0.02**

Length, Price
99R7220 25 ft. \$0.005
99R7221 50 ft. **0.01**

Length, Price
99R7222 25 ft. \$0.002
99R7223 50 ft. **0.003**

Length, Price
99R7224 25 ft. \$0.001
99R7225 50 ft. **0.002**

Length, Price
99R7226 25 ft. \$0.0005
99R7227 50 ft. **0.001**

Length, Price
99R7228 25 ft. \$0.0002
99R7229 50 ft. **0.0003**

Length, Price
99R7230 25 ft. \$0.0001
99R7231 50 ft. **0.0002**

Length, Price
99R7232 25 ft. \$0.00005
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99R7234 25 ft. \$0.00002
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99R7244 25 ft. \$0.0000005
99R7245 50 ft. **0.000001**

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99R7246 25 ft. \$0.0000002
99R7247 50 ft. **0.0000003**

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99R7248 25 ft. \$0.0000001
99R7249 50 ft. **0.0000002**

Length, Price
99R7250 25 ft. \$0.00000005
99R7251 50 ft. **0.0000001**

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99R7252 25 ft. \$0.00000002
99R7253 50 ft. **0.00000003**

Length, Price
99R7254 25 ft. \$0.00000001
99R7255 50 ft. **0.00000002**

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99R7256 25 ft. \$0.000000005
99R7257 50 ft. **0.00000001**

Length, Price
99R7258 25 ft. \$0.000000002
99R7259 50 ft. **0.000000003**

Length, Price
99R7260 25 ft. \$0.000000001
99R7261 50 ft. **0.000000002**

Length, Price
99R7262 25 ft. \$0.0000000005
99R7263 50 ft. **0.000000001**

Length, Price
99R7264 25 ft. \$0.0000000002
99R7265 50 ft. **0.0000000003**

Length, Price
99R7266 25 ft. \$0.0000000001
99R7267 50 ft. **0.0000000002**

Length, Price
99R7268 25 ft. \$0.00000000005
99R7269 50 ft. **0.0000000001**

Length, Price
99R7270 25 ft. \$0.00000000002
99R7271 50 ft. **0.00000000003**

Length, Price
99R7272 25 ft. \$0.00000000001
99R7273 50 ft. **0.00000000002**

Length, Price
99R7274 25 ft. \$0.000000000005
99R7275 50 ft. **0.00000000001**

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99R7277 50 ft. **0.000000000003**

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99R7278 25 ft. \$0.000000000001
99R7279 50 ft. **0.000000000002**

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99R7280 25 ft. \$0.0000000000005
99R7281 50 ft. **0.000000000001**

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99R7282 25 ft. \$0.0000000000002
99R7283 50 ft. **0.0000000000003**

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99R7285 50 ft. **0.0000000000002**

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99R7287 50 ft. **0.0000000000001**

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99R7289 50 ft. **0.00000000000003**

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99R7295 50 ft. **0.000000000000003**

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99R7297 50 ft. **0.000000000000002**

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99R7298 25 ft. \$0.0000000000000005
99R7299 50 ft. **0.0000000000000001**

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99R7300 25 ft. \$0.0000000000000002
99R7301 50 ft. **0.0000000000000003**

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99R7302 25 ft. \$0.0000000000000001
99R7303 50 ft. **0.0000000000000002**

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99R7304 25 ft. \$0.00000000000000005
99R7305 50 ft. **0.00000000000000001**

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99R7306 25 ft. \$0.00000000000000002
99R7307 50 ft. **0.00000000000000003**

Length, Price
99R7308 25 ft. \$0.00000000000000001
99R7309 50 ft. **0.00000000000000002**

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99R7310 25 ft. \$0.000000000000000005
99R7311 50 ft. **0.000000000000000001**

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99R7312 25 ft. \$0.000000000000000002
99R7313 50 ft. **0.000000000000000003**

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99R7314 25 ft. \$0.000000000000000001
99R7315 50 ft. **0.0000000000000000005**

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99R7316 25 ft. \$0.0000000000000000002
99R7317 50 ft. **0.0000000000000000003**

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99R7318 25 ft. \$0.0000000000000000001
99R7319 50 ft. **0.0000000000000000002**

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99R7320 25 ft. \$0.00000000000000000005
99R7321 50 ft. **0.00000000000000000001**

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99R7322 25 ft. \$0.00000000000000000002
99R7323 50 ft. **0.00000000000000000003**

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99R7325 50 ft. **0.000000000000000000005**

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99R7327 50 ft. **0.000000000000000000003**

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99R7329 50 ft. **0.0000000000000000000005**

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99R7330 25 ft. \$0.0000000000000000000002
99R7331 50 ft. **0.0000000000000000000003**

Length, Price
99R7332 25 ft. \$0.0000000000000000000001
99R7333 50 ft. **0.00000000000000000000005**

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99R7334 25 ft. \$0.00000000000000000000002
99R7335 50 ft. **0.00000000000000000000003**

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99R7336 25 ft. \$0.00000000000000000000001
99R7337 50 ft. **0.000000000000000000000005**

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99R7338 25 ft. \$0.000000000000000000000002
99R7339 50 ft. **0.000000000000000000000003**

Length, Price
99R7340 25 ft. \$0.000000000000000000000001
99R7341 50 ft. **0.0000000000000000000000005**

Length, Price
99R7342 25 ft. \$0.0000000000000000000000002
99R7343 50 ft. **0.0000000000000000000000003**

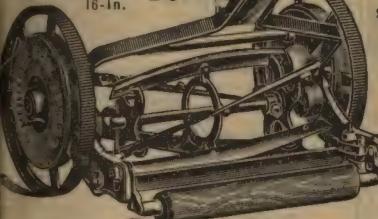
Lawn Mowers

YOU PAY FOR QUALITY ONLY.

Order any one of these lawn mowers and you will make a considerable saving. We guarantee every mower to give satisfaction.

Acme Special. \$1060

Self Sharpening.
16-in.



High wheels, easy running. Ball bearings die steel. Cones and cups turned from steel and casehardened and fitted dustproof. Revolving steel knives, highly tempered. Bed knife of tempered steel. Drive wheels 11 in. in diameter. Hardwood roller and handle. Two wrenches and directions for adjusting.

Size Shpg. Wt. Abt. Price
99R6522 14 in. 55 lbs. \$ 9.90
99R6523 16 in. 68 lbs. 10.60
99R6524 18 in. 71 lbs. 11.30
99R6525 20 in. 73 lbs. 12.00

PONY BALL BEARING LAWN MOWER. \$200

Has 11-in. drive wheels and 16-in. four-blade reel. Width of 31 in. suitable for large lawns and parks. Shipping wt., about 130 lbs.

99R6530—Price \$32.00

Grain Cradle. \$4.40

A very popular pattern, made of clear straight grain stock adjustable wood grip-wire braces and malleable iron fittings.

High quality 45-inch blade.

Shpg. wt., abt. 12 lbs.

99R6725—Price \$4.40

99R5603

Clipper Pattern Grass Scythe. Length, about 30 inches.

Shipping weight, about 4 pounds. Price \$1.55

99R5600

Standard Western Hollander Grass

Scythe. Length, about 30 inches. Shipping weight, about 4 lbs. Price \$1.50

99R5605

Heavy Rib Weed Scythe. Length, about 28 in. Shpg. wt., abt. 5 lbs. Price \$1.60

99R5606

Heavy Bush Scythe. Length, about 20 inches. Shipping weight, about 5 pounds. Price \$1.60

TWO-RING BUSH SNATH. \$1.20

Two Ring Bush Snath.

An old and well known pattern. Made of heavy selected stock. Shipping weight, about 5 pounds. Price \$1.20

PATENT LOOP GRASS AND BUSH SNATHS.

Have patent loop and wrench.

Selected straight grain snath. \$1.10 Light

99R6729—Patent Loop Grass Snath. Too light for bush scythes. Shipping weight, about 4 pounds. Price \$1.10

99R6729—Patent Loop Bush Snath. Heavy for hard service. Shpg. wt., abt. 5 lbs. \$1.25

\$1.50 HANDLED STEEL BUSH HOOK.

Good quality steel blade sharpened and tempered, selected handle. Shipping wt., abt. 4 lbs.

99R5591—Price \$1.50

HEAVY BUSH HOOK.

Shank attaches to

50c bush snath. Good quality steel, tem-

pered and sharpened; 11 inches over all. 6-in. cut; blade, 1½ inches wide. Wt., about 1 pound.

99R5925—Price, without snath.. 50c

Acme Ball Bearing. \$9.25

Self Sharpening. 16-in.

Ball bearings are die steel. Cones and cups turned from steel, casehardened and fitted dustproof. Cutter is 6 inches in diameter. Bed knife tempered steel. Drive wheels, 9½ inches in diameter. Roller and handle hardwood. Two wrenches and directions for adjusting.

Size Shpg. Wt. Abt. Price
99R6518 14 in. 46 lbs. \$ 8.70
99R6519 16 in. 48 lbs. 9.25
99R6520 18 in. 50 lbs. 9.80
99R6521 20 in. 53 lbs. 10.35

Acme Bronze Bearing. \$6.75

Self Sharpening. 14-in.

Bronze bearings and hardened steel axles. Reel knife shaft is a bar of tempered steel; four spiral blades are spring steel; bed knife is cast steel, all highly tempered. Diameter of wheels, 9½ inches; diameter of reel, 6 in. Hardwood handle, two wrenches and directions for adjusting.

Size Shpg. Wt. Abt. Price
99R6510 14 in. 46 lbs. \$ 6.75
99R6511 16 in. 49 lbs. 7.15
99R6512 18 in. 51 lbs. 7.55
99R6513 20 in. 54 lbs. 7.95

Sunrise. Self Sharpening. 12-in. \$4.60

Reel knife shaft is made of steel, and runs in split bushings. Spiral cutting blades are good quality steel properly tempered and ground. Gearings are enclosed. Bed knife is of steel. Drive wheels are 8½ inches high. Hardwood handle, one wrench and directions for adjusting.

Size Shpg. Wt. Abt. Price
99R6501 12 in. 38 lbs. \$ 4.60
99R6502 14 in. 39 lbs. 4.90
99R6503 16 in. 41 lbs. 5.20
99R6504 18 in. 44 lbs. 5.50

SWISS PATTERN PRUNING SHEARS. \$1.70

A high grade shear well known to orchard men. The steel is steel, ground convex. Leth., 8½ in. Wt., 1¼ lbs.

9R5933—Price \$1.70

EASY SPRING CALIFORNIA PATTERN PRUNING SHEARS. \$1.30

Full polished new patent easy and improved locknut. Length, 9 in.; 2½-in. in. tempered steel blade. Weight, abt. 1.30

9R5932—Price \$1.30

CALIFORNIA PATTERN PRUNING SHEARS. 55c

Tempered steel blades. Leth., 8 in.; 2½-in. blade. Wt., abt. 14 oz. Price 55c

9R5933—High grade California pattern Pruning Shears. Length, 9 in.; 2½-inch blade. Wt., about 14 oz. Price 55c

\$1.45 AND UP HEDGE SHEARS.

9R5595—Steel blades with improved notch for cutting twigs. State length. Length of blade, in. 8 10 12

Weight, about lbs. ¾ 4 4½

Price \$1.45 \$1.95 \$2.65

BUCKEYE PRUNING SHEARS. \$1.20

Cuts good size limbs. Steel blades. Handles, 22 in. long. 2½-inch steel cutters. Weight, about 3 lbs.

99R5593—Price \$1.20

WATERS' TREE PRUNER. 85c

No ladders required, as pruning can be done while standing on the ground.

Blade of tempered steel. Length, 8 ft. Shpg. Wt. Price

99R6673 4 lbs. \$1.20

99R6674 5 lbs. 1.30

99R6675 6 lbs. 1.40

9R5940—Extra Knife. Weight, about 2 ounces. Price 85c

TELEGRAPH TREE PRUNER. 85c

Can be screwed to pole or any length. Price, without pole

9R5934—Weight, about 1¼ pounds. Price 85c

9R5935—Extra Spring. Weight, about 1 oz. Price 12c

9R5936—Extra Blade. Weight, about 2 oz. Price 12c

DOUBLE EDGE PRUNING SAW. 80c

Has 18-inch steel blade, toothed fine on one edge, coarse on other. Hardwood handle. Wt., about 8 oz.

9R5042—Price .80c

Household Oil. 15c

For lubricating lawn mowers, sewing machines, washing

machines, wringers, carpet

sweepers, scales, baby carriages,

grindstones, churns, etc. Put up in neat cans with oiler snout. Shipping wt., 1½ lbs.

30R3394—½-pint can. 15c

CUTS FAST

99R5609—Fulton Special Saw Cut Hay Knife. \$1.30

Price

99R5610—Same pattern as above. Hiram Holt "Lightning" Hay Knife. \$1.30

Price

Fulton Special "Saw Cut" Hay Knife. \$1.30

Made of steel, hardened and tempered. Sharpened ready for use. Cuts like a scythe. Length over all, about 36 in. Shpg. wt., about 6 lbs.

99R5611—Price

CLIPPER CORN KNIFE. 45c

Forged steel, hardened and tempered, hard-

wood handle. Length of blade, about 17

inches. Weight, about 1½ pounds.

99R5599—Price

SCYTHE STONES. 12c

Sharp Corundum, wire in-

serted. Very hard. Size, 1½

inch; 10 inches long. Weight, about 6 ounces.

9R5722—Price

HEATH PATTERN HAY KNIFE. 70c

24 steel wire teeth. 5½-foot hardwood handle. Shipping wt., 3 lbs.

99R6864—Price

GRASS SHEARS. 70c

9R5938—Grass Shears with

trowel shank. Fulton quality.

Steel blades. Bent handles. Weight, about 10 oz.

Price

Turf Edger. \$1.00

For edging lawns, flower beds, etc. Has 4-foot handle.

Width of cutting edge, 6 inches.

Weight, 12 ounces.

Price

45c

Steel blade. Weight, about 14 ounces.

99R5599—Price

SCYTHE STONES. 12c

Sharp Corundum, wire in-

serted. Very hard. Size, 1½

inch; 10 inches long. Weight, about 1½ pounds.

9R5721—Price

CLIPPER CORN KNIFE. 45c

Forged steel, hardened and tempered, hard-

wood handle. Length of blade, about 17

inches. Weight, about 1½ pounds.

99R5599—Price

QUALITY GUARANTEED

Sears, Roebuck and Co. Chicago. 1051

\$295 Kenwood Standard 50-Foot
Wire Cable Track Hay
Stacking Outfit.



99R6480—Complete, as illustrated. Wood posts not included. Shipping weight, about 170 pounds. Price.....\$29.55

5c Galvanized Steel Hay Carrier
Cable.

Size, $\frac{1}{4}$ inch
in diameter.
Weight, per 100
feet, about 50
pounds. Carried in stock in cut lengths of
25, 50, 60, 75, 100, 125, 150, 175, 200 and
250 feet. Odd lengths, and lengths over 250
feet, shipped direct from factory in CHI-
CAGO. State length wanted in each piece.
99R1006—Price, per foot.....5c
99R6458—Price, per foot.....5c

Kenwood Standard Complete Hay Carrier Outfits. \$25.45

A complete outfit for a 20-foot barn consists of one hay carrier, one short time double harpoon hay fork, twelve rafter brackets, twelve hanging hooks, four floor hooks, three steel yoke knot passing pulleys, 90 feet $\frac{3}{4}$ -inch manila carrier rope, which is abundantly strong, and 35 feet $\frac{3}{4}$ -inch manila check rope. For each 5 feet additional length of barn we add two rafter brackets, two hanging hooks, 10 feet of carrier rope and 5 feet of check rope. Double angle steel track furnished with all steel track outfit; but as any farmer can make his own wood track from ordinary 4x4-inch lumber, we do not include track with wood track outfit. Manila rope larger than 1 inch cannot be used.

NOTE—Prices of outfits include enough hanging hooks and rafter brackets for barns with rafters spaced $2\frac{1}{2}$ feet apart. If rafters of your barn are spaced less than $2\frac{1}{2}$ feet apart, order enough extra brackets and hanging hooks to meet your requirements.

COMPLETE OUTFITS FOR WOOD TRACK.

Prices do not include wood track.

	Length	Shpg. Wt.	Price
Barn	About	Lbs.	
99R6450	30 feet	100	\$19.35
99R6451	35 feet	105	20.90
99R6452	40 feet	110	22.25
99R6453	45 feet	115	23.60
99R6454	50 feet	120	24.95
99R6455	55 feet	125	26.80
99R6456	60 feet	130	28.15
99R6457	65 feet	135	29.40
99R6458	70 feet	140	30.65

COMPLETE OUTFITS FOR STEEL TRACK.

Prices include steel track.

	Length	Shpg. Wt.	Price
Barn	About	Lbs.	
99R6470	30 feet	165	\$25.45
99R6471	35 feet	181	27.55
99R6472	40 feet	198	29.65
99R6473	45 feet	212	31.75
99R6474	50 feet	227	33.85
99R6475	55 feet	245	35.95
99R6476	60 feet	255	38.05
99R6477	65 feet	272	40.15
99R6478	70 feet	287	42.25

KENWOOD DOUBLE SWIVEL HAY CARRIERS.

For $\frac{1}{4}$ -in., $\frac{3}{8}$ -in. and 1-inch manila rope. Prior to use, stop and fork pulleys. If carrier is to be used with wagon slings a sling pulley will be required.

\$6.40 99R6401 Wood Track Hay Carrier. Shipping wt., about 32 lbs. Price.....\$6.40

\$6.45 99R6402 Steel Track Hay Carrier. Shipping wt., about 30 lbs. Price.....\$6.45

\$1.15 99R6168 Snatch Pulley Block. Has iron sheave. Wt., abt. 7 lbs. Price.....\$1.15

99R6169 99R6166 Iron Yoke, Frame Pulley, with large hollow pin. Wt., about 4 lbs. Price.....\$1.15

99R6167 99R6165 Price.....\$1.15

26c 99R6168 Swivel Hitch. Made of malleable iron. Wt., about 1/2 pounds. Clamp. For $\frac{1}{2}$ -inch hay carrier cable. Weight, a b.t. $\frac{1}{4}$ pounds. 99R6148 99R6146 Price.....26c Price.....10c

99R6169 99R6167 Price.....26c Price.....10c

\$1.05 and Up.

Three-Tine Bent Handle Hay Forks.

EXTRA QUALITY. Three 12-inch spring tempered oval steel tines, selected bent hardwood handle, capped and strapped ferrules. Shipping wt., about 3 lbs. Lghth., Hdle. Price

99R6744 $\frac{1}{2}$ ft. \$1.20 99R6741 $\frac{1}{2}$ ft. \$1.05

99R6745 5 ft. \$1.25 99R6742 5 ft. \$1.10

99R6746 $\frac{3}{4}$ ft. \$1.30 99R6743 $\frac{3}{4}$ ft. \$1.15

\$1.05 and Up.

Three-Tine Straight Handle Hay Forks.

STANDARD QUALITY. Three 12-in. oval tempered steel tines, selected straight hardwood handle. Shipping wt., abt. 3 lbs. Lghth., Hdle. Price

99R6758 5 ft. \$1.15 99R6756 5 ft. \$1.05

99R6759 $\frac{3}{4}$ ft. \$1.20 99R6757 $\frac{3}{4}$ ft. \$1.10

\$1.10 and Up.

Four-Tine Bent Handle Hay Forks.

STANDARD QUALITY. Four 12-inch oval tempered steel tines, selected bent hardwood handles, capped and strapped ferrules. Shipping weight, about 3 pounds. Lghth., Hdle. Price

99R6768 $\frac{1}{2}$ ft. \$1.30 99R6765 $\frac{1}{2}$ ft. \$1.10

99R6769 5 ft. \$1.35 99R6766 5 ft. \$1.15

99R6772 $\frac{3}{4}$ ft. \$1.40 99R6767 $\frac{3}{4}$ ft. \$1.20

Shipping weight, about 4 lbs.

Extra Quality Barley Fork.

Four 18-inch polished oval spring steel tines, spring steel wire bail, $\frac{4}{5}$ -foot bent hardwood handle, capped and strapped ferrule. 99R6783—Price.....\$1.65

Kenwood Standard Complete Hay Carrier Outfits. \$25.45 and Up. For Steel track.

Kenwood Standard Wagon S. With Center Trip Locks. Made long enough for 18-foot wagon but can be shortened to suit shorter drawing ropes through bars and tying kends of rope.

Prices below are per single sling, as follows:
Width of Sling Shipping Crossbars Wt., About
99R6442 6 feet 29 lbs.
99R6441 5 feet 26 lbs.

99R6440—Width of Crossbars, Sling wt., about 21 lbs. Price, per sling.

KENWOOD STEEL TINE GRAPPLING FORKS.

99R6421 Four-Tine Grappling Fork. Shpg. wt., about 40 lbs. Price.....\$7.80

99R6422 Six-Tine Grappling Fork. Shpg. wt., about 50 lbs. Price.....\$9.65

KENWOOD DOUBLE ANGLE STEEL TRACK. 19c per Ft.

All our hay carriers and pulleys work with $\frac{3}{8}$ -in. or 1-inch manila rope. Shipping wt., abt. 70 lbs. Price.....\$1.95

99R6417—With tines and 16 inches points. Shipping weight, 18 lbs. Price.....\$1.95

99R6418—With tines and 16 inches points. Shipping weight, 25 lbs. Price.....\$1.95

99R6419—Alfalfa Harpoon Fork. Heavy. With tines 32 inches long and 22 in. between Shipping weight, about 100 lbs. Price.....\$1.95

KENWOOD SINGLE HARPOON HAY

99R6415—Shipping weight, about 10 pounds. Price.....\$2.80

Kenwood Cable Carrier.

99R6416—Kenwood Right Angle Self Locking Sling Pulley.

99R6417—Load out pulley. For our hay carriers. Shipping weight, 12 pounds. Price.....\$2.95

99R6400—Kenwood Right Angle Self Locking Sling Pulley.

99R6444—Load out pulley. For our hay carriers. Shipping weight, 12 pounds. Price.....\$6.45

99R6445—Kenwood Right Angle Self Locking Sling Pulley.

99R6446—Kenwood Right Angle Self Locking Sling Pulley.

99R6447—Kenwood Right Angle Self Locking Sling Pulley.

99R6448—Kenwood Right Angle Self Locking Sling Pulley.

99R6449—Kenwood Right Angle Self Locking Sling Pulley.

99R6450—Kenwood Right Angle Self Locking Sling Pulley.

99R6451—Kenwood Right Angle Self Locking Sling Pulley.

99R6452—Kenwood Right Angle Self Locking Sling Pulley.

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99R6461—Kenwood Right Angle Self Locking Sling Pulley.

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99R6463—Kenwood Right Angle Self Locking Sling Pulley.

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99R6467—Kenwood Right Angle Self Locking Sling Pulley.

99R6468—Kenwood Right Angle Self Locking Sling Pulley.

99R6469—Kenwood Right Angle Self Locking Sling Pulley.

99R6470—Kenwood Right Angle Self Locking Sling Pulley.

99R6471—Kenwood Right Angle Self Locking Sling Pulley.

99R6472—Kenwood Right Angle Self Locking Sling Pulley.

99R6473—Kenwood Right Angle Self Locking Sling Pulley.

99R6474—Kenwood Right Angle Self Locking Sling Pulley.

99R6475—Kenwood Right Angle Self Locking Sling Pulley.

99R6476—Kenwood Right Angle Self Locking Sling Pulley.

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99R6479—Kenwood Right Angle Self Locking Sling Pulley.

99R6480—Kenwood Right Angle Self Locking Sling Pulley.

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99R6496—Kenwood Right Angle Self Locking Sling Pulley.

99R6497—Kenwood Right Angle Self Locking Sling Pulley.

99R6498—Kenwood Right Angle Self Locking Sling Pulley.

99R6499—Kenwood Right Angle Self Locking Sling Pulley.

99R6500—Kenwood Right Angle Self Locking Sling Pulley.

99R6501—Kenwood Right Angle Self Locking Sling Pulley.

99R6502—Kenwood Right Angle Self Locking Sling Pulley.

99R6503—Kenwood Right Angle Self Locking Sling Pulley.

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99R6506—Kenwood Right Angle Self Locking Sling Pulley.

99R6507—Kenwood Right Angle Self Locking Sling Pulley.

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99R6510—Kenwood Right Angle Self Locking Sling Pulley.

99R6511—Kenwood Right Angle Self Locking Sling Pulley.

99R6512—Kenwood Right Angle Self Locking Sling Pulley.

99R6513—Kenwood Right Angle Self Locking Sling Pulley.

99R6514—Kenwood Right Angle Self Locking Sling Pulley.

99R6515—Kenwood Right Angle Self Locking Sling Pulley.

99R6516—Kenwood Right Angle Self Locking Sling Pulley.

99R6517—Kenwood Right Angle Self Locking Sling Pulley.

99R6518—Kenwood Right Angle Self Locking Sling Pulley.

99R6519—Kenwood Right Angle Self Locking Sling Pulley.

99R6520—Kenwood Right Angle Self Locking Sling Pulley.

99R6521—Kenwood Right Angle Self Locking Sling Pulley.

99R6522—Kenwood Right Angle Self Locking Sling Pulley.

99R6523—Kenwood Right Angle Self Locking Sling Pulley.

99R6524—Kenwood Right Angle Self Locking Sling Pulley.

99R6525—Kenwood Right Angle Self Locking Sling Pulley.

99R6526—Kenwood Right Angle Self Locking Sling Pulley.

99R6527—Kenwood Right Angle Self Locking Sling Pulley.

99R6528—Kenwood Right Angle Self Locking Sling Pulley.

99R6529—Kenwood Right Angle Self Locking Sling Pulley.

99R6530—Kenwood Right Angle Self Locking Sling Pulley.

99R6531—Kenwood Right Angle Self Locking Sling Pulley.

99R6532—Kenwood Right Angle Self Locking Sling Pulley.

99R6533—Kenwood Right Angle Self Locking Sling Pulley.

99R6534—Kenwood Right Angle Self Locking Sling Pulley.

99R6535—Kenwood Right Angle Self Locking Sling Pulley.

99R6536—Kenwood Right Angle Self Locking Sling Pulley.

99R6537—Kenwood Right Angle Self Locking Sling Pulley.

99R6538—Kenwood Right Angle Self Locking Sling Pulley.

99R6539—Kenwood Right Angle Self Locking Sling Pulley.

99R6540—Kenwood Right Angle Self Locking Sling Pulley.

99R6541—Kenwood Right Angle Self Locking Sling Pulley.

99R6542—Kenwood Right Angle Self Locking Sling Pulley.

99R6543—Kenwood Right Angle Self Locking Sling Pulley.

99

Pure Manila Rope

Long Fiber, Fresh New Stock, Full Size and Strength.
Guaranteed all pure manila, no jute or sisal mixed with it. High grade in every respect. For hay carriers it is unexcelled.

Manila rope is never measured exact diameter, one-third of the circumference being considered the diameter. Can furnish in one piece any length up to 1,200 feet. State size wanted when ordering.

NOTE: Rope for our hay carriers should not be ordered larger than 1 inch in diameter. See page 1052.

99R7825 Per Foot.

99R7826 Price per foot.

For rope lariats with honda see page 1176.

PURE MANILA LARIAT ROPE 3c Per Foot.

Rope. Made of the same quality of stock as our regular manila rope. Four-strand, hard laid. A high grade lariat rope. Will not kink, runs freely and maintains a perfect loop. An excellent rope for tying out cattle, etc. Weight, per 100 feet, about 6 1/4 lbs.

99R7826 Price, per foot.

For rope lariats with honda see page 1176.

1 in. 1 1/4 in. 1 1/4 in. 1 1/4 in.
5 oz. 6 oz. 7 oz. 10 oz.

2 oz. 3 oz. 4 oz.

1 1/2 oz. 2 oz. 3 oz.

1 oz. 1 1/2 oz.

1/2 oz. 1 oz.

1/4 oz. 1/2 oz.

1/2 oz

**Push Bar
Garden
Cultivator.**



Shipping weight, about 25 lbs.
Can be used as a Plow Cultivator and Weeder. The tool is hung by a swivel and can be shifted from side to side independently of the course of the wheel. 18-inch wheel. Furnished with five cultivator teeth, plow, weeder attachments and wrench.

99R6211—Price \$4.60



High Wheel Garden Plow and Cultivator. Easy Running.
24-Inch Wheel With 1½-Inch Rim.

Can be used as a garden plow, cultivator, hoe and rake. Moldboard, sweep, reversible shovel, rake and wrench furnished with each implement. Shipping weight, about 20 pounds.

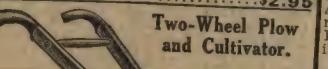
99R6209—Price, complete \$3.70



'Easy' Garden Plow and Cultivator.
\$2.95

Equipped with 18-inch wheel and furnished with moldboard, sweep, rake, reversible shovel and wrench. A strong, light, compact tool, easy to handle. Shipping weight, about 17 pounds.

99R6207—Price \$2.95

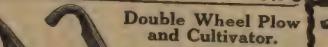


Two-Wheel Plow and Cultivator.
\$3.70



18-inch front wheel, 14-inch rear wheel. Furnished with moldboard, one double end cultivator tooth, hoe and rake. Shipping weight, about 20 pounds.

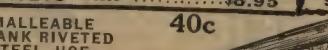
99R6213—Price \$3.70



MALLEABLE SHANK RIVETED STEEL HOE.
\$8.95

Equipped with adjustable arch to gauge depth of work. Furnished with pair of vine guards, pair small plows, pair rakes, four cultivator teeth. Shipping weight, about 48 pounds.

99R6215—Price \$8.95



40c

For light garden use, not intended for regular field work. Has malleable work. Has malleable

shank, steel blade and hardwood handle. Shpg. wt. about 2½ lbs. Length of handle 4½ feet.

99R6827—Width blade, 7 in.

Price 40c

40c

For garden use, light soil, etc. Tempered steel blade; one-piece steel socket; steel shank and selected hardwood handle. Shpg. wt. abt. 2½ lbs.

99R6841—Width blade, 6½ inches. Length of handle, 4½ feet.

40c

INVINCIBLE
DIGGER.

EUREKA DIGGERS.
9-inch tempered steel blades, malleable shanks and hardwood handles. Height, over ten all, 5 feet.

\$1 55

A strong and rapid digger that well deserves its name. Shoulders and blades are formed from one piece of steel. Blades are 10 in. long, hardwood handles. Height, over all, 5 feet. Shipping wt., abt. 7 lbs.

99R6703

Regular pattern.

Shipping wt., about 9 lbs. Price \$1.45

99R6704

Heavy pattern.

Shpg. wt., abt. 11 lbs. Price \$1.85



VAUGHN'S PATTERN AUGERS.

Steel blades. Complete with hardwood handle. Height, 44 inches. State size. Shipping weight, about 6 pounds.

99R6716

Size

6 inches. \$1.30

7 inches. \$1.35

8 inches. \$1.40

9 inches. \$1.45



CAST IRON POST MAULS.

80c 16-lb.

With 3-foot hickory handle. State weight.

99R5585

Wt., about 10 13 16 18 20

Price. 60c 70c 80c 90c \$1.00

Extra Post Maul Handle. Wt., about 1½ pounds.

99R5586—Price 24c

ADJUSTABLE SHOVEL DRAIN CLEANERS.

\$1 10

5x1½ inches.

\$2 10

9-inch

\$1 95



Specially made for irrigation drains and ditches. Handle, 6 feet long. Shipping weight, about 6 pounds.

Size. Price

4x1½ in. \$1.05

5x1¼ in. 1.10

IMPROVED TACKLE BLOCK WIRE STRETCHER AND SAFETY HOIST.

\$1.25 Self locking at any point. Swivels at either end. Provided with steel grapples for stretching barbed wire, strand and woven wire fencing. Also complete safety rope hoist for ordinary use, with which one man can raise 500 pounds. Weight, about 5 pounds.

99R5847—Price, complete with 16 feet of 5%-inch manilla rope. \$1.25

NOTCHED BAR WIRE STRETCHER.

90c Strong and powerful. Has steel bar and lever handle, malleable dogs, about 2 feet of strong steel chain. Shipping weight, about 5 pounds.

99R6275—Price 90c

For Large Wire Stretcher see page 1128.

LEVER WIRE STRETCHER.

Grips securely smooth or barbed wire. Malleable iron. Weight, about 3 pounds.

9R5846—Without wood lever. 35c

35c

Combination Fencing Pliers.

Drives, pulls and saves the

staples. Will cut No. 9 smooth wire. Length,

10 inches. Weight, about 2 pounds.

9R5842—Price 95c

For best boring outfit see page 1245.

Iwan Pattern Augers.

A well known high grade auger and one which gives entire satisfaction.

Blades are stamped steel and shaped for fast boring.

Shipping wt., abt. 10 lbs.

Size. In. Price

99R6706 6 \$1.80

99R6707 8 1.95

99R6708 9 2.10

For best boring outfit see page 1245.

Grub, Hazel and Planters' Hoes. Made of Forged Steel. Prices Below Do Not Include Handles.

58c \$1.30

95c

9R6114

Planters' Eye Hoes. State size. Wt.

Size. Abt. In. Lbs. Price

7 1½ 58c 3½ -in. 1.00

7½ 1¾ 62c 2½ in. abt. 1.00

8 2 66c 3½ in. 95c

GRUB HOE HANDLE. 24c

99R5705—Length, 36 inches.

Shipping wt., 2 lbs. Price. 24c

Hazel or Planters' Hoe Handle.

Shipping wt., about 2 pounds.

99R5707—Hazel Hoe Handle.

Length, 5½ feet. Price. 24c

99R5709—Planters' Hoe Handle.

Length, 5½ feet. Each. 35c

Tempered Steel Picks and Mattocks.

Handles Not Included in Prices.

9R5927—Combined Mattock and Pick. Wt., abt. 5½ lbs. Price \$1.15

9R5929

Long Cutter Mattock, 16 in. long. Wt., abt. 5 to 6 lbs. \$1.20

9R5926

Adze Eye Mattock, 16 in. long. Wt., abt. 5 to 6 lbs. \$1.05

RAILROAD PICK AND MATTOCK HANDLES.

99R5715—Railroad Pick or Mattock Handle. Length, 36 inches. Shpg. wt., abt. 2 lbs. Price. 23c

99R5717—Drifting or Heavy Coal Pick Handle. Length, 34 in. Shpg. wt., about 2 lbs. Price. 22c

49c

D Shovel Handle. Shpg. wt., abt. 1 lb. Price. 49c

37c

99R5713

Long Shovel Handle. 4½ feet long. Shpg. wt., abt. 2 lbs. Price. 37c

D Head for Handles.

Malleable iron, with hardwood grip. Weight, about 8 oz.

9R6112

Price, with screw for attaching. 20c

9R5881—Price. 34c

20c

BLACK STENCIL INK.

Large box of stencil ink with sponge cup and sponge. Black only. Wt., abt. 15 oz.

19c

STENCIL BRUSH.

1-inch ferrule. Weight, about 4 ounces.

19c

9R5882—Price. 19c

BRASS STENCIL LETTERS AND FIGURES.

Interchangeable, leading stencils in complete font of 70 pieces consisting of letters, figures, periods, etc. We do not break fonts or change the assortment. State size.

9R5880

Size letters, in. ½ ¾ 1 1½

Wt., abt. oz. 6 8 10 12

Price, per font. 95c \$1.05 \$1.20 \$1.45

INVINCIBLE DIGGER.

9-inch tempered steel blades, malleable shanks and hardwood handles. Height, over ten all, 5 feet.

\$1 55

A strong and rapid digger that well deserves its name. Shoulders and blades are formed from one piece of steel. Blades are 10 in. long, hardwood handles. Height, over all, 5 feet. Shipping weight, abt. 7 lbs.

99R6703

Regular pattern.

Shipping wt., about 9 lbs. Price \$1.45

99R6704

Heavy pattern.

Shpg. wt., abt. 11 lbs. Price \$1.85

99R6705

Price \$1.55



EUREKA DIGGERS.

9-inch tempered steel blades, malleable shanks and hardwood handles. Height, over ten all, 5 feet.

\$1 45

Regu-

lar

pat-

tern.

Shipping wt., about 9 lbs. Price \$1.45

99R6704

Heavy pattern.

Shpg. wt., abt. 11 lbs. Price \$1.85

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Shpg. wt., abt. 11 lbs. Price \$1.85

99R6705

Price \$1.55



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9-inch tempered steel blades, malleable shanks and hardwood handles. Height, over ten all, 5 feet.

\$1 45

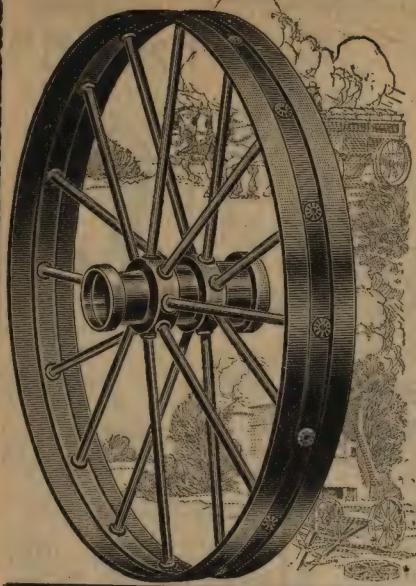
Regu-

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Shipping wt., about



\$5.95
TO
\$11.65
Each Wheel.

"Wearwell" Steel Wheels for Farm Wagons and Tru

Make Strong, Practical and Economical Vehicles. Will Outwear Several Sets of Wood Whe

Low wide tread steel wheels are just the thing for use on soft, spongy or freshly plowed ground. The high truck with wooden wheels. Made to order only and shipped direct from factory near Chicago. We make shipment in from 5 to 10 days after order is received.

Extra Strong Wide Tread Metal Wheels

WITH HEAVY $\frac{1}{2}$ -INCH ROUND SPOKES.
Wheels. Cheapest in the Long Run. Give full measurements, as per diagram below.

PRICES QUOTED BELOW ARE PER SINGLE WHEEL.

Height of Wheel	Weight of Each Wheel, About	99R831 3/4	99R831 4 1/4	99R831 5 1/2
		Tire, $\frac{3}{4} \times 3$ In.	Tire, $\frac{3}{4} \times 4$ In.	Tire, $\frac{3}{4} \times 5$ In.
	Each Wheel	Each Wheel	Each Wheel	Each Wheel
24 in.	50 to 75 lbs.	\$5.95	\$6.55	\$7.15
26 in.	53 to 80 lbs.	6.35	7.00	7.65
28 in.	56 to 85 lbs.	6.75	7.45	8.15
30 in.	59 to 90 lbs.	7.15	7.90	8.65
32 in.	62 to 97 lbs.	7.55	8.35	9.15
34 in.	65 to 105 lbs.	7.95	8.85	9.70
36 in.	72 to 112 lbs.	8.40	9.35	10.30
38 in.	76 to 116 lbs.	8.85	9.90	10.95
40 in.	82 to 124 lbs.	9.35	10.50	11.65

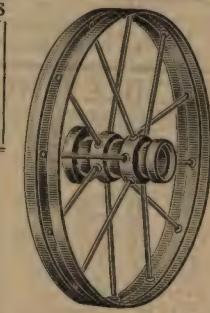
WIDE TREAD METAL WHEELS WITH REGULAR $\frac{1}{2}$ -INCH ROUND SPOKES

For Farm Work and Light Hauling. Inexpensive and Efficient.

PRICES QUOTED BELOW ARE PER SINGLE WHEEL.

Give full measurements, as per diagram to the right.

\$4.45
to
\$9.35
Each Wheel.



Height of Wheel	Weight of Each Wheel, About	99R831 0 1/2	99R831 1 1/4	99R831 2 1/2
		Tire, $\frac{3}{4} \times 3$ Inches.	Tire, $\frac{3}{4} \times 4$ Inches.	Tire, $\frac{3}{4} \times 5$ Inches.
	Price, Each Wheel	Price, Each Wheel	Price, Each Wheel	Price, Each Wheel
24 in.	43 to 63 lbs.	\$4.45	\$4.90	\$5.40
26 in.	46 to 67 lbs.	4.80	5.30	5.85
28 in.	49 to 71 lbs.	5.15	5.70	6.30
30 in.	52 to 75 lbs.	5.50	6.10	6.70
32 in.	56 to 80 lbs.	5.85	6.60	7.20
34 in.	59 to 85 lbs.	6.20	6.90	7.65
36 in.	62 to 90 lbs.	6.60	7.35	8.15
38 in.	65 to 95 lbs.	7.00	7.85	8.75
40 in.	70 to 100 lbs.	7.40	8.40	9.35

ALL OUR METAL WHEELS ARE MADE TO FIT ANY SIZE SKEIN OR AXLE.

\$5.20 AND UP No. 2 Concord or Wagon Axles.

Per Set.



Complete with nuts and boxes. Set consists of four axles, enough for four wheels. Short bed axles are to weld on old axles. Coached axles rounded in center. State size.

Size, Inches	Shpg. Wt., Lbs.	Shpg. Wt., Lbs.	Shpg. Wt., Lbs.	Shpg. Wt., Lbs.
Abt.	Square, Per Set.	Abt.	Square, Per Set.	Abt.
1 1/4 x 7	40	\$ 5.20	80	\$ 7.65
1 3/4 x 7 1/2	50	6.85	90	9.35
1 1/2 x 8	65	8.65	120	11.35
1 3/4 x 9	90	12.20	160	15.95
2 x 10	Half sets of 270	210	22.60	22.40
2 1/4 x 11	Half price of 270	270	29.50	29.30
2 1/2 x 12	full sets.	330	37.45	37.20

Malleable Iron Fifth Wheels.

Genuine Eberhard's No. 947. For double perch gears and plain axles only. We do not furnish for single perch gears, swaged or fantail axles.

99R3160—Buggy size, 10-inch circle, 1 1/4-inch head block, 1-inch axle, 3/4-inch perch. Shpg. wt., about 7 lbs. Price \$1.85

99R3161—Surrey size, 12-inch circle, 1 1/4-inch head block, 1 1/4-inch axle, 3/4-inch perch. Shpg. wt., about 10 lbs. Price \$2.45

\$1.85

Buggy Size.



\$4.50 AND UP Buggy, Surrey and Light Wagon Axles.

Per Set.



Half Patent Double Collar Axle. Runs easily and has an oil retaining groove which makes frequent oiling unnecessary. State size.

Size, Inches	Shpg. Wt., Lbs.	Shpg. Wt., Lbs.	Shpg. Wt., Lbs.	Shpg. Wt., Lbs.
Abt.	Square, Per Set.	Abt.	Square, Per Set.	Abt.
7/8 x 6 1/2	18	\$ 4.50	40	\$ 6.00
1 1/4 x 6 1/2	20	4.75	45	6.75
1 1/2 x 6 1/2	20	5.10	45	7.25
1 1/2 x 6 1/2	20	5.65	60	7.35
1 1/2 x 7	30	6.00	60	7.75
1 1/4 x 6 1/2	30	6.70	70	8.65
1 1/4 x 7	35	7.10	70	9.15
1 1/4 x 7 1/2	35	7.50	70	9.65
1 1/2 x 8	55	11.50	110	14.50

NOTE.—We do not furnish boxes only, nor axles without boxes. A set of short bed axles (commonly called axle stubs) consists of four axles with short beds, which are especially easy running axles. Hold collars prevent dirt from working into the boxes. State size.

Collinge Collar Long Distance Axle. An especially easy running axle. Holds oil a long time. Collinge collars prevent dirt from working into the boxes. State size.

Size, Inches	Shpg. Wt., Lbs.	Shpg. Wt., Lbs.	Shpg. Wt., Lbs.	Shpg. Wt., Lbs.
Abt.	Square, Per Set.	Abt.	Square, Per Set.	Abt.
7/8 x 6 1/2	20	\$ 5.25	40	\$ 6.15
1 1/4 x 6 1/2	25	5.50	50	6.35
1 1/2 x 6 1/2	25	6.75	55	7.15
1 1/2 x 7	30	7.25	60	8.25
1 1/4 x 7	30	7.75	65	8.75
1 1/4 x 7 1/2	40	8.50	80	9.00
1 1/2 x 8	40	8.75	80	9.25

Made of tough steel and furnished complete with cast iron boxes. Have cut on skeins and in nut.

99R3100—State size.

Size, Inches	Shpg. Wt., Lbs.	Shpg. Wt., Lbs.	Shpg. Wt., Lbs.	Shpg. Wt., Lbs.
Abt.	Square, Per Set.	Abt.	Square, Per Set.	Abt.
2 1/4 x 8	45	50 pounds	50	55
2 3/4 x 8 1/2	50	70 pounds	70	80
3 1/4 x 9	70	80 pounds	80	90
3 1/4 x 10	80	80 pounds	80	90
3 3/4 x 10	90	90 pounds	90	100
3 3/4 x 11	110	110 pounds	110	120
4 x 12	130	130 pounds	130	140

CAST IRON WAGON SKEINS.

Seamless pattern, co with boxes. Made extra thick at bottom spindle, the part that wears, and extra at collar, where there is the greatest State size.

99R3105

Size, inches	Wt., per set.	Size, inches	Wt., per set.	Size, inches	Wt., per set.
2 1/4 x 8	40 lbs.	2 3/4 x 8 1/2	50 lbs.	3 1/4 x 9	60 lbs.
2 3/4 x 8 1/2	50 lbs.	3 1/4 x 9	70 lbs.	3 1/4 x 10	80 lbs.
3 1/4 x 9	70 lbs.	3 1/4 x 10	80 lbs.	3 3/4 x 10	90 lbs.
3 1/4 x 10	80 lbs.	3 3/4 x 10	90 lbs.	3 3/4 x 11	100 lbs.
3 3/4 x 11	110 lbs.	3 3/4 x 11	120 lbs.	4 x 12	130 lbs.

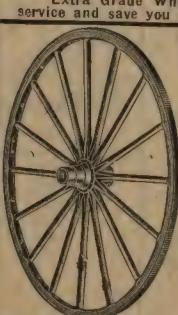
Sarven Pattern Buggy and Light Wagon Wheels \$17.00

COMPLETE WITH ROUND EDGE TIRES.

Extra Grade Wheels.

Our Extra Grade Wheels are well made, properly fitted and true'd up. Rims are screwed on each side of each spoke to prevent splitting. Have extended maleable flanges and tires bolted between spokes.

Extra Grade Wheels cost a little more than ordinary wheels, but will give you double the service and save you money in the end.



Standard Grade Wheels.

Made of seasoned hickory stock, fair quality and good grade for the prices quoted. Will give satisfactory service on repair work or low priced new jobs. For real economy we always recommend Extra Grade Wheels, as they are best for service and long wear.

Kind of Wheels	Size of Tire, Inches	For Axles, Shpg. Wt., Abt., Lbs.	Shpg. Wt., Abt., Lbs.	Price, per Set of Four Wheels
99R3025 Narrow Light Buggy	7/8 x 1 1/4	7/8 to 1x6 1/2	80 to 90	\$17.00
99R3026 Regular Heavy Buggy	1 x 1 1/4	1 x 1x6 1/2	90 to 100	19.00
99R3027 Surrey Wheels	1 1/4 x 2 1/2	1 1/4 to 1x4 7/8	120 to 130	22.00
99R3028 Light Spring Wagon	1 1/4 x 3 1/2	1 1/4 x 7 1/2	150 to 160	26.00

If desired we will sell wheels in half sets at one-half the price of full sets and quarter sets at one-fourth the price of full sets.



\$8.90

Unpainted.

High Grade Buggy or Surrey Poles.

Exceptional Values at Our Prices.



Made of straight grain hickory. Ironed complete and furnished with doubletree, singletrees and safety center neckyoke. Size, about 2x2½ inches. Shipping weight, about 40 pounds.

99R3571—Unpainted	\$8.90
99R3572—Red finish	9.85
99R3573—Black finish	9.90

IRONED BUGGY OR SURREY POLE.
Standard quality. Made of hickory. Size, about 2x2½ inches. Ironed complete, with doubletree, singletrees, neckyoke and stay straps. Furnished in white only. Shipping wt., about 35 lbs.

99R3570—Price	\$8.65
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Buggy Eveners and Singletrees.

175

Finished in the white and ironed complete. Shipping wt., about 9 lbs.

99R3185—Price, per set	\$1.75
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Acme Buggy Neckyoke. 60c

Size, about 1½ inches in diameter; Selected seasoned stock with leather neckyoke center. Not 8 inches long. Shipping wt., about 4 lbs.

99R3186—Price	60c
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Fall Size
Ironed Hickory Wagon Singletrees. 2½x30 INCHES 60c

Complete with improved back pull, ferrules and hooks. Oil finish. Size Shpg. Wt. Price
99R6300 2½x30 in. 3 lbs. \$0.60
99R6301 2½x36 in. 5 lbs. 1.05
99R6302 3 x38 in. 6 lbs. 1.15

Ironed Wagon Doubletree.

Size of wood, about 2x4x48 in.; wrought iron plate and malleable crew pin clevises; selected hardwood, oil finish. Shipping weight, about 12 pounds.

99R6306—Price	\$1.05
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Ironed Hickory Wagon Neckyokes.

Made of selected stock and ferrules. with heavy rings. Size, 38 in. Shpg. wt., 7 lbs. \$1.05
99R6280—Size, 32 in. Shpg. wt., 9 lbs. 1.30
99R6281—Size, 32 in. Shpg. wt., 9 lbs. 1.30

Tubular Steel Neckyoke.

\$1.90 "The Unbreakable Kind." A very strong and durable neckyoke. Length, 44 in. Wt., abt. 11 lbs. Price \$1.90

Ironed Plow Doubletree Set.

175

A GOOD SET FOR GENERAL FARM USE. Made of seasoned hardwood, ironed complete. Flat Set doubletree, about 1¾x3½x2 inches; singletrees, about 2x28 inches. Finished in oil. Shpg. wt., about 14 lbs.

99R6296—Price, per set	\$1.75
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Acme Three-Horse Hickory Plow Evener.

\$3.85

Strong and durable. Quickly changed for two horses; made of seasoned hard-wood. Size of main evener, about 1½x3½x40 inches; small eveners, about 1¼x3x28 inches; singletrees, 26 inches, oil finish. Shipping weight, about 28 pounds.

99R6321—Price, per set	\$3.85
------------------------	--------

Made to work four horses almost on 12 to 18-inch gang sulky or disc plows, with three horses on unplowed ground and one horse in furrow. Coupled very short and guaranteed free from side draft. Has adjusting bolt, by turning which either team can be given the advantage. Made of seasoned oak. Red finish.

99R1090—Price, per set	\$8.90
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Ironed Wagon Bolsters.

Made of oak, ironed complete, ready for use. Tops of both front and hind bolsters are covered with steel; front bolsters fitted with wear plates. Stakes are 12 inches high, well braced and bound with steel. Stake fitted with two stake rings. Furnished in 38-inch, or narrow track, and 42-inch, or wide track. State width of track.

38-INCH	
---------	--

Front \$3.30 3 INCHES WIDE.

99R3130 38-in. Front Bolsters. 42-in. Front Bolsters. Size, Shpg. In. Wt., Abt. Price

3/4 25 lbs.	3	30 lbs.	\$3.30
3/4 30 lbs.	3.60	30 lbs.	3.95
3/4 30 lbs.	3.95	35 lbs.	4.35

Hind \$3.15 3 INCHES WIDE.

99R3131 42-in. Hind Bolsters. Size, Shpg. In. Wt., Abt. Price

3/4 25 lbs.	3	30 lbs.	\$3.15
3/4 30 lbs.	3.50	30 lbs.	3.85
3/4 30 lbs.	3.75	30 lbs.	4.15

Quality Braced Heel Shafts. \$5= AND UP

Illustration shows Shafts furnished with Plain Eyes.

Heel Eye
Brace Lock.

Center
Brace.

Neel
Brace

Lock.

Illustration of Bradley Eye.

Heel Eye
Brace Lock.

Center
Brace.

Neel
Brace

Lock.

Illustration of Bradley Eye.

STANDARD QUALITY IRONED BUGGY SHAFTS.

Made of hickory, ironed complete, not painted. Size, about 1½x2 inches. Shipping weight, about 23 pounds.

99R3550—Price	\$4.10
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60c Bradley Shaft 80c Couplings. Surrey size.

9R3241—State size. Buggy size. Wt., about 3 lbs. Per pair, 60c

Surrey size. Weight, about 4 lbs. Per pair, 80c

"Safety First" Singletrees.

65c

A good, strong 36-inch wagon singletree. Fitted with the celebrated McLeod Safety End Clips. A very strong and practical clip. Heavy center clips and rings. Red finish. Shipping wt., about 7 pounds.

99R6305—Price	65c
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Ironed Plow Singletrees.

45c

Welded steel clips 26-Inch. and hooks. Selected seasoned hardwood, oil finish. Shipping wt., about 2½ pounds.

99R6290—Price	45c
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99R6291—Price	48c
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Tubular Steel Plow Singletree.

85c

This is an exceptionally strong and durable singletree. Reinforced where strain is greatest, making it practically unbreakable. Length, about 28 inches. Shipping weight, about 5 lbs.

99R6298—Price, each	85c
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Ironed Hickory Plow Doubletree Set. HEAVY IRONS. SELECTED STOCK.

165

Outfit for plowing, harrowing, etc. Made of good quality seasoned hardwood, oil finish. Evener measures about 36 in. long; singletrees about 28 in. long. Shpg. wt., abt. 12 lbs.

99R6295—Price, per set	\$1.65
------------------------	--------

Three-Horse Wagon Equalizer.

760

For hitching three horses to any wagon or implement that has a tongue. Constructed so that each horse pulls an equal load. Made of heavy clear oak. Red finish.

99R1080—Price, (Wt., about 46 lbs.)	\$7.60
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Five-Horse Plow Evener.

1085

For hitching three horses to any wagon or implement that has a tongue. Constructed so that each horse pulls an equal load. Made of heavy clear oak. Red finish.

99R1081—Price	\$10.85
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Acme Double Spring Bolster Springs.

9.75

38 In. Long, 1½ in. Wide. Illustration shows half set.

Width of Steel	Springs Will Set, Abt.	Shpg. Wt., per Set	Per Set, \$
1½ in.	1,000 lbs.	70 lbs.	\$9.75
1¾ in.	1,500 lbs.	90 lbs.	\$10.50
2¼ in.	2,000 lbs.	100 lbs.	\$11.25
2½ in.	2,500 lbs.	110 lbs.	\$12.00
2 in.	3,000 lbs.	130 lbs.	\$13.00
2 in.	4,000 lbs.	140 lbs.	\$14.25
2½ in.	6,000 lbs.	150 lbs.	\$15.50
2½ in.	6,000 lbs.	160 lbs.	\$16.25

99R3257 2½ in. 6,000 lbs. 160 lbs. 18.50 19.75

99R3250 1½ in. 1,000 lbs. 70 lbs. 9.75 10.25

99R3252 1¾ in. 1,500 lbs. 90 lbs. 10.50 11.00

99R3253 2 in. 2,000 lbs. 100 lbs. 11.25 12.25

99R3254 2 in. 2,500 lbs. 110 lbs. 12.00 13.50

99R3255 2 in. 3,000 lbs. 130 lbs. 13.00 14.75

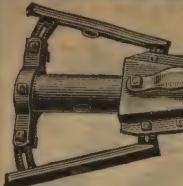
99R3256 2 in. 4,000 lbs. 140 lbs. 14.25 16.25

99R3257 2½ in. 6,000 lbs. 150 lbs. 15.50 17.75

99R3258 2½ in. 6,000 lbs. 160 lbs. 18.50 19.75

Sears, Roebuck and Co.
Chicago

1057



ALL STEEL TUBULAR WAGON TONGUE

With Adjustable Hounds, Adjustable from 15 to 19½ Inches at Widest Point.

Screw Pin Malleable Wagon Clevis.



14c

Size opening, 2x4 in.
Weight, abt. 1½ lbs.
9R3400
Price 14c

Screw Pin Steel Wagon Clevis.



13c

Malleable Pin.
Size opening, 2x4½ in.
Wt., abt. 1 lb.
9R3404
Price 13c

Lock Pin Steel Wagon Clevis.



16c

Malleable Pin.
Size opening, 2x4½ in.
Wt., abt. 1½ lbs.
9R3406
Price 16c

Lock Pin Malleable Wagon Clevis.



17c

Size opening, 2½x4½ inches. Weight, about 1½ pounds.
9R3402
Price 17c

Lock Pin Steel Wagon Clevis.



19c

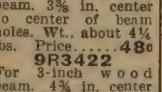
Malleable Pin.
Complete as shown:
1½-inch opening.
Wt., abt. 1¾ lbs.
9R3408
Price 19c

Malleable Iron Plow Clevises.



52c

For 3-in. Wood Beam.



48c

For 3-in. steel beam, 3¾ in. center to center of beam holes. Wt., abt. 4½ lbs.
9R3422
Price 48c

For 3-inch wood beam, 4¾ in. center to center of beam holes. Wt., abt. 4½ lbs.
9R3428
Price 52c

78c Malleable Plow Pulley or Equalizer.

Attached to any plow. Takes rope up to 1¼ inches in diameter; has 4-inch pulley. ¾-inch clevis opening and is 9 inches over all. Wt., abt. 7 lbs.
9R3426
Price 78c

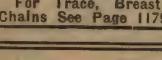
Wagon Stay Chains.



75c

Size given is 5/16 inch; length, 26 inches. Size given is size of steel rod the links are made of. Weight, about 4¾ pounds.
9R3436
Price, per pair 75c

Wagon Tongue or Pole Chains.



85c

Size 5/8 inch; length, 33 inches. Size given is size of steel rod the links are made of. Wt., abt. 6 lbs.
9R3434
Price, per pair 85c

For Trace, Breast, Heel and Halter Chains See Page 1179.

A strong, substantial all steel tongue. Will fit any wagon and outwear the ordinary wood tongue. Easily attached and detached. Shipping weight, about 58 pounds.

99R3580—All Steel Tongue and Hound complete. Price

Hounds adjustable from 15 to 19½ inches at widest point.

Three and one-half inch seasoned oak pole. Attractively striped and properly ironed. Shipping weight, about 41 pounds.

99R3581—Price

ADJUSTABLE STEEL HOUNDS.

COMPLETE PAINTED OAK WAGON TONGUE.

\$5.45

HEAVY POLE CAP AND HAMMER STRAP.

All Ready for Use.

NO WAITING.
NO DELAY.

5.45

ANYONE CAN ATTACH TO ANY WAGON IN A FEW MINUTES' TIME.

about 41 pounds.

99R3581—Price

\$5.45

Malleable End Clevis.

8c

For plows and cultivators. Size opening, 2½x2½ inches. Wt., abt. 10 oz.
9R3410
Price 8c

Heavy Malleable Evener Clevis.

45c

With swivel hook. Size of opening, 2½ inches, 9½ inches full length. Weight, about 4 pounds.
9R3412
Price 45c

Swivel Hinged Malleable Clevis.

32c

Very strong; requires no link; 2½ inch opening in large end, 1½-in. opening in small end. Wt., about 2½ pounds.
9R3418
Price 32c

Swivel Malleable End Clevis.

12c

Adjusts itself to any angle. ¾-in. opening. Weight, about 1 lb.
9R3414
Price 12c

Swivel Hinged Malleable Hook.

26c

Keeps whiffle trees in proper position. Opening in clevis, 1½ inches. Weight, about 2 pounds.
9R3419
Price 26c

Singletree Clips and Hooks.

20c

For centers of singletrees. Size, round part of clip, ½ in.; hook, ½ in. Wt., abt. 1½ lbs.
9R3437
Price, each 20c

Singletree End Clips.

23c

Per Pair 7/16-in.

For ends of singletrees; come in pairs, one right and one left. State size.
9R3438
Round Wt., Per Part of Clip, Hook, Abt. In. Lbs. Pair
1/2 c. 1/2 c. 1/2 c. 23c
1/2 c. 1/2 c. 1/2 c. 23c
1/2 c. 1/2 c. 1/2 c. 23c
1/2 c. 1/2 c. 1/2 c. 23c

Singletree Center Clips.

8c 1/2-in.

State size.
9R3438
Size, ½ in. Wt., abt. ½ lb. Each 8c
Size, ½ in. Wt., abt. ½ lb. Each 8c
Size, ½ in. Wt., abt. ½ lb. Each 8c
Size, ½ in. Wt., abt. ½ lb. Each 8c

Singletree Center Clips.

8c 1/2-in.

State size.
9R3438
Size, ½ in. Wt., abt. ½ lb. Each 8c
Size, ½ in. Wt., abt. ½ lb. Each 8c
Size, ½ in. Wt., abt. ½ lb. Each 8c
Size, ½ in. Wt., abt. ½ lb. Each 8c

Singletree Hooks and Straps.

26c

Per Pair 3 Ft. 3 in. Long.

Wt., about 2 lbs.
9R3439
12 inches long. Hook, ½-inch round part, Price, pair 26c
Straps only. Price, pair 17c

Singletree Hooks and Straps.

26c

Per Pair 3 Ft. 7 in. Long.

Wt., abt. 1½ lbs.
9R3440
For narrow bed. Wt., abt. 1½ lbs. 21c
For wide bed. Wt., abt. 2 lbs. 24c

Singletree Hooks and Straps.

26c

Per Pair 3 Ft. 7 in. Long.

Wt., abt. 2 lbs.
9R3441
For narrow bed. Wt., abt. 2 lbs. 21c
For wide bed. Wt., abt. 2 lbs. 24c

Singletree Hooks and Straps.

26c

Per Pair 3 Ft. 7 in. Long.

Wt., abt. 2 lbs.
9R3442
For narrow bed. Wt., abt. 2 lbs. 21c
For wide bed. Wt., abt. 2 lbs. 24c

Singletree Hooks and Straps.

26c

Per Pair 3 Ft. 7 in. Long.

Wt., abt. 2 lbs.
9R3443
For narrow bed. Wt., abt. 2 lbs. 21c
For wide bed. Wt., abt. 2 lbs. 24c

Singletree Hooks and Straps.

26c

Per Pair 3 Ft. 7 in. Long.

Wt., abt. 2 lbs.
9R3444
For narrow bed. Wt., abt. 2 lbs. 21c
For wide bed. Wt., abt. 2 lbs. 24c

Singletree Hooks and Straps.

26c

Per Pair 3 Ft. 7 in. Long.

Wt., abt. 2 lbs.
9R3445
For narrow bed. Wt., abt. 2 lbs. 21c
For wide bed. Wt., abt. 2 lbs. 24c

Singletree Hooks and Straps.

26c

Per Pair 3 Ft. 7 in. Long.

Wt., abt. 2 lbs.
9R3446
For narrow bed. Wt., abt. 2 lbs. 21c
For wide bed. Wt., abt. 2 lbs. 24c

Singletree Hooks and Straps.

26c

Per Pair 3 Ft. 7 in. Long.

Wt., abt. 2 lbs.
9R3447
For narrow bed. Wt., abt. 2 lbs. 21c
For wide bed. Wt., abt. 2 lbs. 24c

Singletree Hooks and Straps.

26c

Per Pair 3 Ft. 7 in. Long.

Wt., abt. 2 lbs.
9R3448
For narrow bed. Wt., abt. 2 lbs. 21c
For wide bed. Wt., abt. 2 lbs. 24c

Singletree Hooks and Straps.

26c

Per Pair 3 Ft. 7 in. Long.

Wt., abt. 2 lbs.
9R3449
For narrow bed. Wt., abt. 2 lbs. 21c
For wide bed. Wt., abt. 2 lbs. 24c

Singletree Hooks and Straps.

26c

Per Pair 3 Ft. 7 in. Long.

Wt., abt. 2 lbs.
9R3450
For narrow bed. Wt., abt. 2 lbs. 21c
For wide bed. Wt., abt. 2 lbs. 24c

Singletree Hooks and Straps.

26c

Per Pair 3 Ft. 7 in. Long.

Wt., abt. 2 lbs.
9R3451
For narrow bed. Wt., abt. 2 lbs. 21c
For wide bed. Wt., abt. 2 lbs. 24c

Singletree Hooks and Straps.

26c

Per Pair 3 Ft. 7 in. Long.

Wt., abt. 2 lbs.
9R3452
For narrow bed. Wt., abt. 2 lbs. 21c
For wide bed. Wt., abt. 2 lbs. 24c

Singletree Hooks and Straps.

26c

Per Pair 3 Ft. 7 in. Long.

Wt., abt. 2 lbs.
9R3453
For narrow bed. Wt., abt. 2 lbs. 21c
For wide bed. Wt., abt. 2 lbs. 24c

Singletree Hooks and Straps.

26c

Per Pair 3 Ft. 7 in. Long.

Wt., abt. 2 lbs.
9R3454
For narrow bed. Wt., abt. 2 lbs. 21c
For wide bed. Wt., abt. 2 lbs. 24c

Singletree Hooks and Straps.

26c

Per Pair 3 Ft. 7 in. Long.

Wt., abt. 2 lbs.
9R3455
For narrow bed. Wt., abt. 2 lbs. 21c
For wide bed. Wt., abt. 2 lbs. 24c

Singletree Hooks and Straps.

26c

Per Pair 3 Ft. 7 in. Long.

Wt., abt. 2 lbs.
9R3456
For narrow bed. Wt., abt. 2 lbs. 21c
For wide bed. Wt., abt. 2 lbs. 24c

Singletree Hooks and Straps.

26c

Per Pair 3 Ft. 7 in. Long.

Wt., abt. 2 lbs.
9R3457
For narrow bed. Wt., abt. 2 lbs. 21c
For wide bed. Wt., abt. 2 lbs. 24c

Singletree Hooks and Straps.

26c

Per Pair 3 Ft. 7 in. Long.

Wt., abt. 2 lbs.
9R3458
For narrow bed. Wt., abt. 2 lbs. 21c
For wide bed. Wt., abt. 2 lbs. 24c

Singletree Hooks and Straps.

26c

Per Pair 3 Ft. 7 in. Long.

Wt., abt. 2 lbs.
9R3459
For narrow bed. Wt., abt. 2 lbs. 21c
For wide bed. Wt., abt. 2 lbs. 24c

Singletree Hooks and Straps.

26c

Per Pair 3 Ft. 7 in. Long.

Wt., abt. 2 lbs.
9R3460
For narrow bed. Wt., abt. 2 lbs. 21c
For wide bed. Wt., abt. 2 lbs. 24c

Singletree Hooks and Straps.

26c

Per Pair 3 Ft. 7 in. Long.

Wt., abt. 2 lbs.
9R3461
For narrow bed. Wt., abt. 2 lbs. 21c
For wide bed. Wt., abt. 2 lbs. 24c

Singletree Hooks and Straps.

26c

Per Pair 3 Ft. 7 in. Long.

Wt., abt. 2 lbs.
9R3462
For narrow bed. Wt., abt. 2 lbs. 21c
For wide bed. Wt., abt. 2 lbs. 24c

Singletree Hooks and Straps.

26c

Per Pair 3 Ft. 7 in. Long.

Wt., abt. 2 lbs.
9R3463
For narrow bed. Wt., abt. 2 lbs. 21c
For wide bed. Wt., abt. 2 lbs. 24c

Singletree Hooks and Straps.

26c

Per Pair 3 Ft. 7 in. Long.

Wt., abt. 2 lbs.
9R3464
For narrow bed. Wt., abt. 2 lbs. 21c
For wide bed. Wt., abt. 2 lbs. 24c

Singletree Hooks and Straps.

26c

Per Pair 3 Ft. 7 in. Long.

Wt., abt. 2 lbs.
9R3465
For narrow bed. Wt., abt. 2 lbs. 21c
For wide bed. Wt., abt. 2 lbs. 24c

Singletree Hooks and Straps.

26c

Per Pair 3 Ft. 7 in. Long.

Wt., abt. 2 lbs.
9R3466
For narrow bed. Wt., abt. 2 lbs. 21c
For wide bed. Wt., abt. 2 lbs. 24c

Singletree Hooks and Straps.

26c

Per Pair 3 Ft. 7 in. Long.

Wt., abt. 2 lbs.
9R3467
For narrow bed. Wt., abt. 2 lbs. 21c
For wide bed. Wt., abt. 2 lbs. 24c

Singletree Hooks and Straps.

26c

Per Pair 3 Ft. 7 in. Long.

Wt., abt. 2 lbs.
9R3468
For narrow bed. Wt., abt. 2 lbs. 21c
For wide bed. Wt., abt. 2 lbs. 24c

Singletree Hooks and Straps.

26c

Per Pair 3 Ft. 7 in. Long.

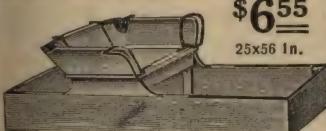
Wt., abt. 2 lbs.
9R3469
For narrow bed. Wt., abt. 2 lbs. 21c
For wide bed. Wt., abt. 2 lbs. 24c

Singletree Hooks and Straps.

OAK WAGON TONGUES, \$1⁹⁰ TO \$2⁹⁰

Good quality, selected seasoned timber. Finished ready for use.
99R3512—Size, about 3 inches. Shipping weight, about 25 pounds. Price.....\$1.90
99R3513—Size, about 3½ inches. Shipping weight, about 30 pounds. Price.....\$2.40
99R3514—Size, about 4 inches. Shipping weight, about 45 pounds. Price.....\$2.90

PIANO BOX BUGGY BODIES.
IRONED COMPLETE, BUT NOT PAINTED.
 Made of seasoned timber ironed complete and finished ready to paint. Panels are glued, clamped and screwed to frames. Size measurements are on the bottom outside to outside. Shipping weight, 60 to 95 pounds.



\$6.55

25x56 in.

PRICES WITH SEAT AS ILLUSTRATED.
 Size.....Price
99R3010—20x56 in. With seat.....\$6.15
99R3011—23x56 in. With seat.....6.35
99R3012—25x56 in. With seat.....6.55

PRICES WITHOUT SEAT.

Size.....Price
99R3007—20x56 in. Without seat.....\$4.50
99R3008—23x56 in. Without seat.....4.70
99R3009—25x56 in. Without seat.....4.90

Oak Wagon Hounds and Sway Bars.

Seasoned finished oak; rounded and planed smooth.

50c Per Pair

99R3475—Finished Hind Hounds. Size, about 2x3½x47 inches. Shipping weight, about 13 pounds. Per pair.....50c

35c Per Pair

99R3479—Surfaced Front Hounds. Size, about 2x3x18 inches. Shipping weight, about 14 pounds. Per pair.....35c

30c Per Pair

99R3474—Finished Tongue Hounds. Size, about 2x2½x30 inches. Shipping wt., about 6 lbs. Per pair.....30c

30c Each

99R3478—Surfaced Sway Bar. Size, about 2x2½x41 inches. Shipping weight, about 6 pounds. Price, each.....30c

Oak Wagon Sand Boards.

85c 3x3½-
Inch.

Seasoned selected oak. Narrow. Length, about 3 feet 9 inches.

70c Per Set

99R3470—3x3 in. Shpg. Wt. Price
99R3471—3x3½ in. 13 lbs. 85c

Finished Hickory Wagon Axles. \$2.10 3½-Inch.

Seasoned straight grain stock. Narrow. Length, about 5 feet 1 inch.

70c Per Set

99R3450—2½ in. 18 lbs. 70c
99R3451—2¾ in. 20 lbs. 1.55
99R3452—3 in. 25 lbs. 1.80
99R3453—3¼ in. 30 lbs. 2.10
99R3454—3½ in. 35 lbs. 2.40

Oak Wagon Bolsters. \$1.20 About 48 inches long. Seasoned oak, rounded and finished.

3½x4½-
Inch.

FRONT BOLSTERS. \$1.20

Each

99R3463—3 x 4 in. 15 lbs. \$0.90
99R3464—3½ x 4½ in. 18 lbs. 1.20
99R3465—3½ x 4½ in. 20 lbs. 1.40

HIND BOLSTERS. \$1.20 3½x4½-
Inch.

Each

99R3460—3 x 4 in. 17 lbs. \$0.90
99R3461—3½ x 4½ in. 19 lbs. 1.20
99R3462—3 x 6 in. 25 lbs. 1.40

Finished Oak Reaches.

Each

Seasoned surfaced stock. Size, About Lgh. Wt. Each
99R3515—1½x3¾ in. 8 ft. 20 lbs. \$1.00
99R3516—1½x3¾ in. 10 ft. 25 lbs. 1.20
99R3517—2½x4 in. 12 ft. 30 lbs. 1.40

\$6.80 \$5.20 \$4.10

Built for Heavy Service.



Note—Half set, either front or hind, at one-half price of full sets.

The New Samson Malleable Wagon Jacks.

To Lift Corner of 2-ton load or less 16 \$4.10
99R5516
 6-ton load or less 25 5.20
99R5517
 8-ton load or less 30 6.80
99R5518

It raises and trips or may be lowered notch automatically. No springs or complex parts to get out of order.

Shpg. Wt., Lbs. Price

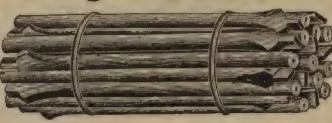
For Buggies 6 \$1.20

Light Wagons 11 1.90

Heavy Wagons 13 2.85

A low priced easily adjusted jack. Simple in construction and positive in its action. Locks when a handle passes center. Raising handle will lower load without a jar.

High Quality Vehicle Wood Stock



BUGGY AND WAGON SPOKES.

Handled in two grades: XX grade is selected stock and recommended for high class repair work and medium priced new work. X grade for ordinary repair work. Be sure to state size.

SARVEN PATTERN HICKORY SPOKES.

Length, 24 inches. Size given is width at tenon.

70c Per Doz. Per 100, \$5.50

1-Inch Size. X Grade Hickory Sarven Pattern Spokes.

Size, inches.	1	1½	1¾	2	2½	3
Shipping weight, per 100 spokes, about	40 lbs.	50 lbs.	60 lbs.	70 lbs.	70 lbs.	70 lbs.
99R3331 —Price, per dozen.	\$0.7C	\$0.80	\$0.90	\$1.00		
99R3332 —Price, per 100.	5.50	6.00	6.50	7.00		

XX Grade Hickory Sarven Pattern Spokes.	1-Inch Size.					
Size, inches.	1	1½	1¾	2	2½	3
Wt., per 100, about.	40 lbs.	50 lbs.	60 lbs.	70 lbs.	70 lbs.	70 lbs.
99R3333 —Per doz.	\$0.80	\$0.90	\$1.00	\$1.15	\$1.35	\$1.60
99R3334 —Per 100.	6.50	7.00	7.50	8.75	10.00	12.00

XX Grade Hickory Sarven Pattern Spokes.	1-Inch Size.					
Size, inches.	1	1½	1¾	2	2½	3
Wt., per 100, about.	40 lbs.	50 lbs.	60 lbs.	70 lbs.	70 lbs.	70 lbs.
99R3333 —Per doz.	\$0.80	\$0.90	\$1.00	\$1.15	\$1.35	\$1.60
99R3334 —Per 100.	6.50	7.00	7.50	8.75	10.00	12.00

PLAIN OAK WAGON SPOKES.

Front spokes measure about 22 inches long. Hind spokes measure about 26 inches long. Size given is width of spoke at the tenon. Set consists of 24 front and 28 hind spokes. Be sure to state size.

\$5.50 Per Set Per Set \$6.50 XX Grade

2½-Inch. 99R3345—X Grade Plain Oak Wagon Spokes.

Size, inches.	1	2	2½	3	3½	4	4½	5
Shpg. wt., per set, abt.	50 lbs.	60 lbs.	70 lbs.	80 lbs.	90 lbs.	100 lbs.	120 lbs.	150 lbs.
Price, per full set...	\$3.60	\$4.30	\$4.90	\$5.50	\$6.00	\$7.00	\$8.50	\$11.00

99R3346—XX Grade Plain Oak Wagon Spokes.	2½-Inch.							
Size, inches...	1	2	2½	3	3½	4	4½	5
Shpg. wt., per set, abt.	50 lbs.	60 lbs.	70 lbs.	80 lbs.	90 lbs.	100 lbs.	120 lbs.	150 lbs.
Price, per full set...	\$4.50	\$5.40	\$6.00	\$6.50	\$7.00	\$8.00	\$9.50	\$12.50

NOTE—Half set, either front or hind, at one-half price of full sets.

Per Set of 4 \$1.85 8-In. Diam.

CUPPED OAK WAGON HUBS.

Seasoned stock; will make a strong, substantial wheel. Our hubs are cupped about 1 inch in small end. All our hubs straight mortise only, twelve mortises in front hubs, fourteen mortises in hind hubs. In ordering hubs allow 1 inch longer hub than axle spindle. Four hubs in a set. Give size when ordering.

Diameter, inches..... 7 7½ 8 8½ 9 10
 Length, inches..... 9 10 10 11 12 13
 Mortise, inches..... 1½ 1¾ 2 2½ 2½ 2½
 Shpg. wt., set of 4 hubs, about, lbs.... 30 35 40 50 60 80

99R3360—Price, set of 4 hubs..... \$1.25 \$1.60 \$1.85 \$2.15 \$2.45 \$2.85

NOTE—Half set, either front or hind, at one-half price of full sets.

Per Set of 4 \$1.85 8-In. Diam.

HICKORY BUGGY AND WAGON RIMS.

Selected seasoned stock, for high class repairs and regular new work, guaranteed to give satisfaction. Prices below are for full set of eight pieces, enough for two front and two hind wheels. We do not furnish sizes or heights other than as listed below. State heights.

NOTICE—All rims are slightly over size in length, to allow for cutting and fitting to make a true circle.

Tread, Depth, Heights in Stock, Shipping Weight, Price, per Set, About

Tread, About	Depth, About	Heights in Stock, Inches	Shipping Weight, per Set, About	Price, per Set
99R3290	1½ in.	1 in.	18 pounds	\$2.70
99R3291	1 in.	1½ in.	25 pounds	2.95
99R3292	1½ in.	1¾ in.	30 pounds	3.30
99R3293	1¾ in.	1½ in.	35 pounds	3.80
99R3294	1½ in.	1½ in.	40 pounds	4.45
99R3295	1½ in.	1½ in.	50 pounds	5.60

State heights. Tread, Depth, Heights in Stock, Shipping Weight, Price, per Set, About

Tread, About	Depth, About	Heights in Stock, Inches	Shipping Weight, per Set, About	Price, per Set
99R3300	1½ in.	2 in.	60 pounds	4.75
99R3301	1½ in.	2 in.	70 pounds	5.40
99R3302	1½ in.	2½ in.	80 pounds	6.30
99R3303	2 in.	2½ in.	90 pounds	6.90
99R3304	2½ in.	2 in.	100 pounds	7.50
99R3305	3 in.	2 in.	130 pounds	8.60
99R3306	4 in.	2 in.	180 pounds	11.50

State heights. Tread, Depth, Heights in Stock, Shipping Weight, Price, per Set, About

Tread, About	Depth, About	Heights in Stock, Inches	Shipping Weight, per Set, About	Price, per Set
99R3320	1½ in.	2½ in.	50 lbs.	\$4.20
99R3321	1½ in.	2½ in.	60 lbs.	4.50
99R3322	1½ in.	2½ in.	60 lbs.	4.80
99R3323	1½ in.	2½ in.	70 lbs.	5.10

State heights. Tread, Depth, Heights in Stock, Shipping Weight, Price, per Set, About

Tread, About	Depth, About	Heights in Stock, Inches	Shipping Weight, per Set, About	Price, per Set
99R3330	1½ in.	3 ft.	50 lbs.	\$4.20
99R3331	1½ in.	3 ft.	60 lbs.	4.50
99R3332	1½ in.	3 ft.	60 lbs.	4.80
99R3333	1½ in.	3 ft.	70 lbs.	5.10

State heights. Tread, Depth, Heights in Stock, Shipping Weight, Price, per Set, About

Tread, About	Depth, About	Heights in Stock, Inches	Shipping Weight, per Set, About	Price, per Set
99R3340	1½ in.	3 ft.	50 lbs.	\$4.20
99R3341	1½ in.	3 ft.	60 lbs.	4.50
99R3342	1½ in.	3 ft.	60 lbs.	4.80
99R3343	1½ in.	3 ft.	70 lbs.	5.10

State heights. Tread, Depth, Heights in Stock, Shipping Weight, Price, per Set, About

Tread, About	Depth, About	Heights in Stock, Inches	Shipping Weight, per Set, About	Price, per Set
99R3350	1½ in.	3 ft.	50 lbs.	\$4.20
99R3351	1½ in.	3 ft.	60 lbs.	4.50
99R3352	1½ in.	3 ft.	60 lbs.	4.80
99R3353	1½ in.	3 ft.	70 lbs.	5.10

State heights. Tread, Depth, Heights in Stock, Shipping Weight, Price, per Set, About

Tread, About	Depth, About	Heights in Stock, Inches	Shipping Weight, per Set, About	Price, per Set
99R3360	1½ in.	3 ft.	50 lbs.	\$4.20
99R3361	1½ in.	3 ft.	60 lbs.	4.50
99R3362	1½ in.	3 ft.	60 lbs.	4.80
99R3363	1½ in.	3 ft.	70 lbs.	5.10

State heights. Tread, Depth, Heights in Stock, Shipping Weight, Price, per Set, About

Tread, About	Depth, About	Heights in Stock, Inches	Shipping Weight, per Set, About	Price, per Set
99R3370	1½ in.	3 ft.	50 lbs.	\$4.20
99R3371	1½ in.	3 ft.	60 lbs.	4.50
99R3372	1½ in.	3 ft.	60 lbs.	4.80
99R3373	1½ in.	3 ft.	70 lbs.	5.10

State heights. Tread, Depth, Heights in Stock, Shipping Weight, Price, per Set, About

Tread, About	Depth, About	Heights in Stock, Inches	Shipping Weight, per Set, About	Price, per Set
99R3380	1½ in.	3 ft.	50 lbs.	\$4.20
99R3381	1½ in.	3 ft.	60 lbs.	4.50
99R3382	1½ in.	3 ft.	60 lbs.	4.80
99R3383	1½ in.	3 ft.	70 lbs.	5.10

State heights. Tread, Depth, Heights in Stock, Shipping Weight, Price, per Set, About

Tread, About	Depth, About	Heights in Stock, Inches	Shipping Weight, per Set, About	Price, per Set
99R3390	1½ in.	3 ft.	50 lbs.	\$4.20
99R3391	1½ in.	3 ft.	60 lbs.	4.50
99R3392	1½ in.	3 ft.	60 lbs.	4.80
99R3393	1½ in.	3 ft.	70 lbs.	5.10

State heights. Tread, Depth, Heights in Stock, Shipping Weight, Price, per Set, About

Tread, About	Depth, About	Heights in Stock, Inches	Shipping Weight, per Set, About	Price, per Set
99R3394	1½ in.	3 ft.	50 lbs.	\$4.20
99R3395	1½ in.	3 ft.	60 lbs.	4.50
99R3396	1½ in.	3 ft.	60 lbs.	4.80
99R3397	1½ in.	3 ft.	70 lbs.	5.10

State heights. Tread, Depth, Heights in Stock, Shipping Weight, Price, per Set, About

Tread, About	Depth, About	Heights in Stock, Inches	Shipping Weight, per Set, About	Price, per Set
99R3398	1½ in.	3 ft.	50 lbs.	\$4.20
99R3399	1½ in.	3 ft.	60 lbs.	4.50
99R3400	1½ in.	3 ft.	60 lbs.	4.80
99R3401	1½ in.	3 ft.	70 lbs.	5.10

State heights. Tread, Depth, Heights in Stock, Shipping Weight, Price, per Set, About

Tread, About	Depth, About	Heights in Stock, Inches	Shipping Weight, per Set, About	Price, per Set
99R3402	1½ in.	3 ft.	50 lbs.	\$4.20
99R3403	1½ in.	3 ft.	60 lbs.	4.50
99R3404	1½ in.	3 ft.	60 lbs.	4.80
99R3405	1½ in.	3 ft.	70 lbs.	5.10

State heights. Tread, Depth, Heights in Stock, Shipping Weight, Price, per Set, About

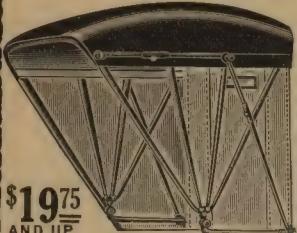
Tread, About	Depth, About	Heights in Stock, Inches	Shipping Weight, per Set, About	Price, per Set
99R3406	1½ in.	3 ft.	50 lbs.	\$4.20
99R3407	1½ in.	3 ft.	60 lbs.	4.50
99R3408	1½ in.	3 ft.	60 lbs.	4.80
99R3409	1½ in.	3 ft.	70 lbs.	5.10

State heights. Tread, Depth, Heights in Stock, Shipping Weight, Price, per Set, About

Tread, About	Depth, About	Heights in Stock, Inches	Shipping Weight, per Set, About	Price, per Set
99R3410	1½ in.	3 ft.	50 lbs.	\$4.2

HIGH GRADE BUGGY TOPS

Genuine Leather Quarter Top.



\$19⁷⁵
AND UP.

Will give many years of service. Roof and back curtains made of heavy weight rubber drill. Quarters and stays made of black enameled leather. Furnished in four-bow style, as illustrated, complete with rubber drill side curtains. Shipping weight, about 50 pounds. See diagrams below for taking measurements.

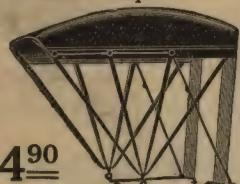
99R3724½—For Plain Panel Seats, without shifting rail.

Price \$19.75
99R3725½—For Twin Auto Style Seats, without shifting rail.

Price \$25.50
99R3726½—For High Panel Style Seats, without shifting rail.

Price \$25.50

Competition Enamelled Drill Top.



\$14.90

Made of black enameled drill. Furnished in four-bow style, complete with side and back curtains, for plain panel seats only. Shipping weight, about 50 pounds. See diagram below for taking measurements.

99R3705½—For Plain Panel Seats only, without shifting rail.

Price \$14.90

Directions for Taking Measurements for Tops to Fit Plain Panel Seats.

We carry in stock tops to fit this style seat measuring 34, 36 and 38 inches (J to K); 17 inches (D to E); and 5½ inches (L to M). Other sizes are shipped direct from factory near CHICAGO. Shpg. wt., about 130 pounds. 99R3735½—Price, complete.

Directions for Taking Measurements for Tops to Fit Twin and High Panel Style Seats.

On account of the large variation in heights and curves of the panels as made by different factories, we cannot attempt to carry in stock tops to fit these styles of seats. Same will have to be made up especially to your measurements.

Tops to fit either style of seats are shipped direct from factory near CHICAGO.

MEASUREMENTS FOR TOPS. Inches

Give distance from hole to hole (J to K). Depth of seat, from a line parallel with top of seat to bottom of seat (L to M). Distance from center of gooseneck to center of prop (D to E).

EXTRAS TO PRICES ON TOPS.

Tops, built 3½-bow Handy Style, extra 35¢ Tops, 43 to 50 inches wide, extra 75¢ Shifting Rail for Plain Panel Seats, per pair, extra 90¢

99R3740½—Wood and Irons for Backs to attach to seats, complete, extra \$1.65

MEASUREMENTS FOR WOOD AND IRONS FOR BACKS. Inches

Give distance across front of seat (J to K). Give distance from hole to hole on back of seat (N to O).

Wagon Umbrella.

\$4.10

Shipping wt., about 8 lbs. Protects driver from sunshine, rain or snow. Has heavy duck (no drill) cover, will not leak in the heaviest rain and will give long and satisfactory service. This umbrella has six stiff steel ribs and a spread of about 5 feet 8 inches. Price includes fixture and screws for attaching. 99R3078—Covered brown duck. \$4.10
99R3079—Covered white duck. 4.10

Riding Plow Umbrella Holder.

A strong malleable iron umbrella holder or arm which can be attached to riding plows, 45c mowers, binders and other implements. Holds umbrella securely. Properly finished. Weight, about 2 pounds. 99R3456—Price 45¢

FOLDING THIRD SEATS.

Make a buggy as comfortable for three persons as for two. Fit between the two on the seat and take up little room. Wt., about 3 lbs.

Covered With Price

99R3125—Heavy brown duck. 80¢

99R3126—Brussels carpet. 84¢

99R3127—Velvet carpet. 88¢

Acme Vestibule Storm Front.

\$9.85



For buggies with 23 or 25-inch bodies and tops measuring 40 to 43 in. across top of bows.

Will Make Any Ordinary Buggy Stormproof.

Well made of heavy rubber cloth, built over wood and metal frame. Large front celluloid window opens inward and is held against roof by spring hinge. Side curtains have large celluloid lights and roll on spring rollers attached to corner posts. Easily attached or detached. Shipping weight, 55 pounds. 99R3743—Price \$5.20

Acme High Grade Storm Shields.

\$5.20



For buggy tops measuring 40 to 44 inches across top of bows.

This high grade storm shield is made of heavy water material, fitted with large celluloid front light, side lights and a 12-inch line pocket. Has connections for attaching to dash, body and bows. Shipping weight, about 6 pounds. 99R3755—Price \$5.20

Standard quality storm shields, similar to above, made of rubber drill with celluloid front and side lights, line pocket and fastener for attaching.

99R3755—For buggy tops measuring 36 to 40 inches across top of bows. Shipping weight, about 6 pounds. Price. \$3.90

99R3756—For buggy tops measuring 41 to 48 inches across top of bows. Shipping weight, about 7 pounds. Price. \$4.95

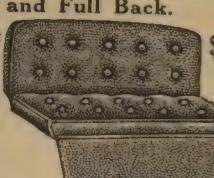
99R3747

Price

\$9.85

The tops shown on this page are made of high grade materials. We them to fit Plain Panel Seats, Twin Auto Style Seats and High Panel Seats. (See below.) In ordering follow directions for taking measurements check your figures carefully so as to avoid errors and unnecessary correspondence.

Button Tufted Seat Cushion and Full Back.



See diagram at bottom of page for taking measurements. Cushions, \$1.80

and Up.

99R3759½—Black Enamelled

Cushion with fall. Sizes to fit seats mea-

28, 30, 32 and 34 inches in width

T) by 15 inches in depth (Q to R) are

carried in stock. Other sizes are shipped

from factory near CHICAGO. Shpg. alt. 5½ lbs. Price, to fit seats 34 inches

(S to T) or less. \$1.80

99R3760½—Full Back for above.

to fit seats measuring 33, 35, 37 an-

ches wide (A to B) by 17½ inches

(P to Q) are carried in stock. Other sizes

are shipped direct from factory near

CHICAGO. Shpg. wt., abt. 4 lbs. Price,

seats 39 in. in width (A to B) or less. \$1.80

99R3763½—Black Rubber Drill

Top with fall. Sizes to fit seats mea-

28, 30, 32 and 34 inches in width (S to

T) by 15 inches in depth (Q to R) are

carried in stock. Other sizes are shipped

direct from factory near CHICAGO. Shpg. wt., abt. 4 lbs. Price, to fit seats 34 inches

(S to T) or less. \$1.80

99R3764½—Full Back for above.

to fit seats measuring 33, 35, 37 an-

ches wide (A to B) by 17½ inches high

(P to Q) are carried in stock. Other sizes

are shipped direct from factory near

CHICAGO. Shpg. wt., about 4 lbs. Price, to fit seats

34 inches in width (A to B) or less. \$1.80

99R3767½—Black Imitation Le-

Cushion with fall. Shpg. wt., about 7 lbs.

Shipped direct from factory near CHICAGO. Price, to fit seats 34 inches in width (A to B) or less. \$1.80

99R3768½—Full Back for above.

seats 39 in. Shipped direct from fac-

near CHICAGO. Price, to fit seats 39 in.

in width (A to B) or less. \$1.80

Biscuit Tufted Seat Cushion and Full Backs.

See diagram at bottom of page for taking measurements.

\$2.70

Back.

See diagram at bottom of page for taking measurements.

\$2.70

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See diagram at bottom of page for taking measurements.

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See diagram at bottom of page for taking measurements.

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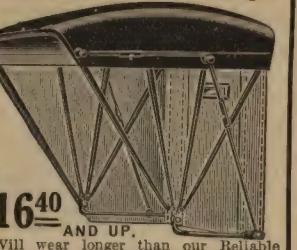
Back.

See diagram at bottom of page for taking measurements.

\$2.70

Back.

Heavy Rubber Drill Top.



\$16.40

AND UP.

Will wear longer than our Reliable Full Rubber Drill Top, as roof, quarters, stays and back curtains are made of a heavy weight rubber drill. Furnished in four-bow style, as illustrated, complete with rubber drill side and back curtains. Shpg. wt., abt. 50 lbs. See diagrams below for taking measurements.

99R3711½—For Plain Panel Seats, without shifting rail.

Price \$16.40

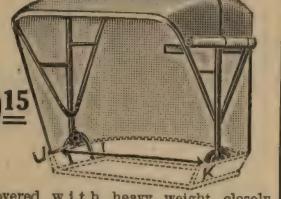
99R3712½—For Twin Auto Style Seats, without shifting rail.

Price \$21.50

99R3713½—For High Panel Style Seats, without shifting rail.

Price \$21.50

Brown Duck Wagon Top.



\$9.15

AND UP.

Covered with heavy weight closely woven brown duck. Furnished complete with side and back curtains, necessary fixtures and bolts for attaching to seat. Sizes to fit seats 32, 34, 36, 38, 40, 42 and 44 inches wide (J to K), as shown in illustration, are carried in stock. Other sizes shipped direct from factory near CHICAGO. In ordering give outside of flare on top of seat (J to K). Shipping wt., about 20 lbs. 99R3701½—Price, without seat \$9.15

99R3701½—Price, with seat \$15.00

99R3701½—Price, with fall \$15.00



PATENT LEATHER BUGGY OR WAGON DASHES.

\$260 24-in. Size \$300 30-in. Size

First quality patent leather, smoothly and evenly stitched. Wrought steel frame, complete with feet and bolts for attaching. State width.

99R3093—Height, 13 inches.

Width Shpg. of Wt., Dash About Price

21 in. 6 lbs. \$2.45

22 in. 6 lbs. \$2.50

23 in. 6 lbs. \$2.55

24 in. 7 lbs. \$2.60

25 in. 7 lbs. \$2.65

26 in. 7 lbs. \$2.70

27 in. 7 lbs. \$2.80

28 in. 7 lbs. \$2.90

29 in. 7 lbs. \$2.95

30 in. 7 lbs. \$2.95

31 in. 8 lbs. \$3.35

32 in. 8 lbs. \$3.35

33 in. 8 lbs. \$3.35

34 in. 8 lbs. \$3.35

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"POSITIVE-FIT" READY TO WEAR HORSESHOES

EXTRA BIG VALUE.

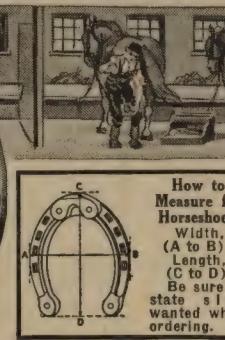


OUR
PRICES
SAVE
YOU
MONEY.

PER PAIR
OF FRONTS,
TWO SHOES
35c
AND UP.
STATE SIZE



PER PAIR
OF HINDS,
TWO SHOES
35c
AND UP.
STATE SIZE



How to
Measure for
Horseshoes.
Width,
(A to B).
Length,
(C to D).
Be sure to
state size
wanted when
ordering.



PER PAIR OF
FRONTS,
TWO SHOES
60c
AND UP.
STATE SIZE



PER PAIR OF
HINDS,
TWO SHOES
60c
AND UP.
STATE SIZE

SUMMER SHOES—Including Nails.

9R3332—Front Shoes.
9R3333—Hind Shoes.

Size	Weight, per Pair, About	Size of Shoe, About, Width	Length	Price, per Pair, Including Nails
No. 1	2 1/4 lbs.	4 1/4 in.	x 5 1/4 in.	35c
No. 2	2 3/4 lbs.	4 2/4 in.	x 5 5/8 in.	40c
No. 3	2 7/8 lbs.	4 2/4 in.	x 5 7/8 in.	45c
No. 4	3 1/2 lbs.	5 1/2 in.	x 6 1/4 in.	50c
No. 5	4 1/2 lbs.	5 1/2 in.	x 6 5/8 in.	55c
No. 6	5 lbs.	6 in.	x 7 in.	60c
No. 7	5 1/2 lbs.	6 1/2 in.	x 7 1/4 in.	65c

NO HEATING — NO WELDING —SIMPLY NAIL THEM ON.

Made of malleable iron. A finished shoe of uniform shape and exceptional toughness.

The texture of these shoes is such that they may be reshaped cold, no heating necessary. "Positive-Fit" Horseshoes save three quarters of the time now required to make and fit other shoes and are quickly and easily nailed on. No expert skill required. SATISFACTION GUARANTEED.

WINTER SHOES—Including Calks and Nails.

9R3336—Front Shoes.
9R3337—Hind Shoes.

Size	Weight, per Pair, About	Size of Calk	Size of Shoe, About, Width	Length	Price, per Pair, Including Calks and Nails
No. 1	2 1/2 lbs.	3/8 in.	4 1/4 in.	x 5 1/4 in.	60c
No. 2	2 5/8 lbs.	4/8 in.	4 1/2 in.	x 5 5/8 in.	65c
No. 3	3 1/4 lbs.	5/8 in.	4 1/2 in.	x 5 7/8 in.	70c
No. 4	4 lbs.	5/8 in.	5 in.	x 6 1/4 in.	75c
No. 5	4 1/2 lbs.	5/8 in.	5 1/2 in.	x 6 5/8 in.	80c
No. 6	5 lbs.	6 in.	6 in.	x 7 in.	85c
No. 7	5 1/2 lbs.	6 1/2 in.	6 1/2 in.	x 7 1/4 in.	90c

Extra Light Drop Forged Shoes.

Per Pair of
Fronts,
Two
Shoes,
60c
and Up.

Front Shoes.

The Perfect Winter Shoe
FOR LIGHT DRIVING AND RIDING HORSES.

A high grade, light weight, finished, drop forged shoe that will appeal to owners of driving horses. Furnished complete with screw calks and nails all ready to nail on. Can be reshaped cold if necessary. When ordering state size wanted.

Per Pair of
Hinds,
Two
Shoes,
60c
and Up.

Hind Shoes.

9R3338—Front Shoes.

Size	Wt., per Pair, About	Size of Calk	Size of Shoe, About, Width	Length	Price, per Pair, Including Nails and Calks
No. 1	1 3/4 lbs.	7/16 in.	4 1/4 in.	x 5 1/4 in.	60c
No. 2	2 lbs.	7/16 in.	4 3/4 in.	x 5 1/4 in.	65c
No. 3	2 1/2 lbs.	7/16 in.	5 in.	x 5 3/4 in.	70c
No. 4	2 7/8 lbs.	1/2 in.	5 1/4 in.	x 6 1/4 in.	75c
No. 5	3 1/4 lbs.	1/2 in.	5 1/2 in.	x 6 1/4 in.	80c

Horseshoes.

Regular Standard Quality Horseshoes.

Fully guaranteed as to quality of material, workmanship and finish.

NOTE—We only furnish shoes as listed below.
EXTRA LIGHT WEIGHT HORSESHOES IN SETS OF FOUR, TWO FRONTS AND TWO HINDS.

9R3330—State size.

SET AND UP.
26c

EXTRA LIGHT WEIGHT HORSESHOES IN 100-POUND KEGS.

99R1120—All fronts. State size.

Size, No. 1 2 3 4 5 6

Price, per kg. \$6.60 \$6.60 \$6.60 \$6.60 \$6.60 \$6.60

99R1121—All hinds. State size.

Size, No. 1 2 3 4 5 6

Price, per kg. \$6.60 \$6.60 \$6.60 \$6.60 \$6.60 \$6.60

99R1122—Fronts and hinds in same keg. State size. Per kg.

99R1123—Sizes No. 2 front, No. 2 hind, No. 3 front and No. 3 hind, about

99R1124—Sizes No. 3 front, No. 3 hind, No. 4 front and No. 4 hind, about

99R1125—Prices per kg.

99R1126—Prices per kg.

99R1127—Prices per kg.

99R1128—Prices per kg.

99R1129—Prices per kg.

99R1130—Prices per kg.

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Quick Cut Grindstone

Anti-Friction Ball Bearings

Crandall's Simplex Adjustable Seat.



\$4.90

Angle Steel Frame.

Safe Delivery and Complete Satisfaction Guaranteed.

Our grindstones cut fast, are well made and will give years of satisfactory service. High quality free cutting stone. Frame is rigid and stands solid when in use. Ball bearings insure easy and steady running. Complete with water can, as illustrated. Shipping weight, about 90 pounds.

99R1190—Our price.....\$4.90

Berea Unmounted Grindstones. \$1.35

Quick cutting well finished grindstones. Will not glaze. State No. 3 size wanted.

No.	Size	Diam., Wt.	Shipping
1	12"	50 lbs.	\$0.90
2	18"	50	1.15
3	20"	60	1.25
4	22"	80	1.35
5	24"	100	2.00
6	26"	120	2.50
7	28"	150	3.40
8	29"	175	3.95

Ball Bearing Grindstone Fixture. \$1.05

For Mounting Grindstone on Wood Frame.

Support stones from 2 to 2½ inches thick. Furnished complete, as illustrated, with screws for attaching. Wt., about 6 lbs. 9R5726—Price \$1.05

Roller Bearing Grindstone Fixtures.



With screws for attaching. 65c 15

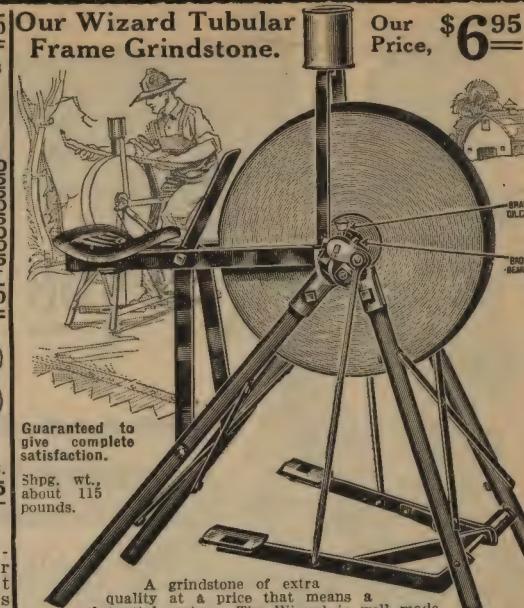
9R5725 Length, inches.... 15 17 19 21

For stone, lbs.... 40 60 80 100

Weight, about, lbs.... 6 6 6 7

Price, per set..... 65c 75c 85c 95c

Our Wizard Tubular Frame Grindstone.



Our Price, \$6.95

Guaranteed to give complete satisfaction.

Ship. wt., about 115 pounds.

A grindstone of extra quality at a price that means a substantial saving. The Wizard is well made, easy running, carefully fitted and well finished throughout.

Heavy Tubular Steel Frame. Four Genuine Bronze Bearings. Large Size Extra Quality Free Cutting Stone. Two Brass Oil Cups. 99R1191—Price.....

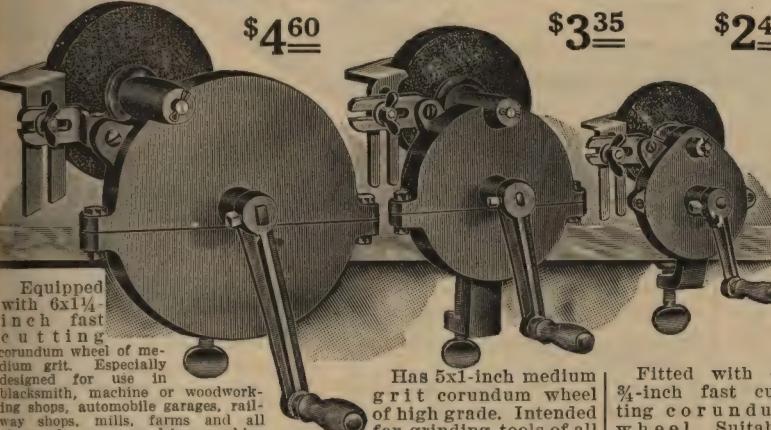
Adjustable Seat With Guard. Large Water Can. \$6.95

HIGH POWER TOOL GRINDERS

\$4.60

\$3.35

\$2.40



Equipped with 6x1½-inch fast cutting corundum wheel of medium grit. Especially designed for use in blacksmith, machine or woodworking shops, automobile garages, railway shops, mills, farms and all places where a power driven machine is not available. The wheel attains high speed and great momentum, as the power applied to the handle is transmitted to the wheel with the least possible amount of friction. Sufficient for any use to which a hand driven machine should be put. Recommended as a tool grinder of real merit and great capacity. Axle for wheel, 1 inch in diameter. Shipping weight, about 24 pounds. 99R5538—Price.....\$4.60

Has 5x1-inch medium grit corundum wheel of high grade. Intended for grinding tools of all kinds, such as chisels, plane irons, drills, knives, etc. Suitable for general shop work and household use. Complete with tool rest and clamp for attaching machine to bench or table. Axle for wheel, 1 inch in diameter. Shipping weight, about 11 pounds. 99R5537—Price \$3.35

Fitted with 4x ¾-inch fast cutting corundum wheel. Suitable for grinding small tools, shears, knives, etc. Intended for use in the home or office. Readily attached to table or bench. Axle for wheel, ¾ inch in diameter. Shpg. wt., about 5 lbs. 99R5536—Price \$2.40

99R5540—Price \$6.85

HIGH POWER TOOL GRINDER.

\$6.85

Mounted on Steel Frame. \$6.85

A tool every blacksmith, mechanic and farmer should have. Simple and practical in construction, and embodies strength, durability, power and speed. The spindle and pinion of the grinder head are turned and milled from one piece of steel, the larger gear is machine cut and all are enclosed in tight casing, insuring long wear, as dust and dirt from the wheel are excluded. Tool rest is adjustable. Frame is steel and is strongly and substantially put together. Seat is well braced and adjustable to different heights. Equipped with a 6x1½-inch fast cutting corundum wheel of medium grit. Guaranteed to give entire satisfaction. Shipping weight, about 65 pounds.

Emery wheel revolves about 16 times to 1 revolution of the large gear wheel.

Gear case 8½ inches in diameter and 1½ inches thick.

Kenwood High Grade Sickle Grinders.

A strong, simple and compact sickle grinder. Is entirely automatic in its grinding movements, the beveled stone moves up and down against the sections, grinding them even and true. Does not grind at any one point long enough to heat or draw temper. Can be adjusted to grind from point to heel or to grind only down to the knife bar. Knife holder works with a lever handle which makes it possible to easily and quickly change the position of the knife for grinding the next section. Made in two styles, one for bench use, the other for use in the field.

99R5532—Kenwood Sickle Grinder for fastening to bench. Shpg. wt., abt. 25 lbs. \$3.95

99R5533—Kenwood Sickle Grinder for fastening to mower wheel. Shipping weight, about 20 pounds. Price.....\$3.70

9R5954—Extra Stones for above grinders. Weight, about 2 pounds. Price, each.....75c

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99R5533—Kenwood Sickle Grinder for fastening to mower wheel. Shipping weight, about 20 pounds. Price.....\$3.70

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9R5954—Extra Stones for above grinders. Weight, about 2 pounds

\$106 FOR 100 Carriage Bolts

17 ASSORTED SIZES

Round Heads, Square Shoulders, Deep Threads, Full Size Nuts. Strictly First Quality Goods.
A NUT SCREWED ON EVERY BOLT.

9R3017

Complete Assortment

100 Bolts

17 SIZES

As Illustrated.

Weight, About
9 Pounds.

Price,
\$1.06

**-100-
ASSORTED SIZE
CARRIAGE BOLTS
17 SIZES
FROM 1/4X1 1/2 TO 3/8X5**

Each box contains 6 bolts of each size, as illustrated, except 4 x $\frac{3}{8}$ -inch and 5x $\frac{3}{8}$ -inch sizes; 5 each of these two sizes.

18c and
Up

22c and
Up

BLANK
AND
THREADED
NUTS.



Fit any
regular bolts.

State size wanted.	9R3068	9R3069
To fit Wt., Abt. Pkg.	Blank	Threaded
Bolt, per Pkg., Cont'n's.	Nuts	Nuts
Size in. Lbs.	About	Per Pkg.
$\frac{1}{4}$	68	20c
5/16	40	18c
3/8	50	22c
7/16	270	34c
1/2	23	250
9/16	28	230
5/8	19	320
3/4	21	290
7/8	13	460
1	10	440

5 LBS. ASSORTED THREADED NUTS.

25 LBS.
ASSORTED
NUTS

78c
9R3064—Price.... 78c

PLOW BOLTS.

We furnish only styles of heads and lengths as listed below.

Length, Wt., Abt. Doz.

1/4 in. 1/2 lb. 15c

1/2 in. 1 lb. 18c

1/2 in. 2 lb. 21c

2/3 in. 1 1/2 lbs. 26c

Length, Wt., Abt. Doz.

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1/2 in. 1

5 X 3/8 IN.

3 1/2 X 5/16 IN.

\$1 38 for 100 Machine Bolts—14 Assorted Sizes **\$1 38**

A Nut Screwed on Every Bolt.

Sizes and lengths that are constantly needed about farm machinery and in ordinary shop work.

Each Assortment Contains:

8 each 1 1/2-2-2 1/2 and 3-in. bolts, 1/4 in. diameter.
8 each 2-2 1/2-3-3 1/2 and 4-in. bolts, 5/16 in. diameter.
6 each 2-2 1/2-3 and 4-in. bolts, 5/16 in. diameter.
4 only 5-in. bolts, 5/16 in. diameter.

9R3021—Entire lot, 100 Bolts. Weight, about 8 pounds.

Price.

\$1.38

4 X 3/8 IN.

4 X 5/16 IN.

State Length
When Ordering.

MACHINE BOLTS.

State Length
When Ordering.

3 95 Fulton Standard \$4 90
Bolt Clippers % in.



necessary tool about the well equipped p. Needed dozens of times each day for cutting bolts, rods, chains, etc. Our bolt pers have all the latest improvements are made of high grade material throughout. Jaws are of high grade steel and are properly tempered. Fitted with bumper between the handles.

Size For Shpg. Wt.
No. Cutting Bolts Abt. Lbs. Price
5803 0 1/8 in. or less 4 \$2.95
5804 1 3/8 in. or less 6 3.40
5802 2 1/2 in. or less 10 3.95
5803 3 5/8 in. or less 14 4.90

100 ASSORTED SPRING COTTERS.

28c
From 1 inch to 2 1/2 in.
long. Weight, about 2 lbs.
9R3095 .28c

100 ASSORTED STOVE BOLTS.

55c
round and flat
D. From 3/8x1 1/2 in.
to 1 1/2x1 1/2 in.
Wt. abt. 2 lbs.
9R3060 .55c

100 ASSORTED STOVE BOLTS.

55c

100 ASSORTED STOVE BOLTS.

55c

	Length, inches.	1 1/2	2	2 1/2	3	3 1/2	4	4 1/2	5	5 1/2	6
9R3009	Diameter, 1/4 inch.	29c	32c	34c	36c	41c	48c	56c			
9R3010	Diameter, 5/16 inch.	35c	38c	41c	44c	50c	61c	72c			
9R3011	Diameter, 3/8 inch.	42c	46c	49c	52c	56c	66c	72c	83c	96c	
9R3012	Diameter, 1/2 inch.	74c	79c	85c	92c	\$1.00	\$1.08	\$1.16	\$1.24		
9R3013	Diameter, 5/8 inch.	6	7	8	10	12	16	20			
9R3014	Diameter, 3/4 inch.	\$1.36	\$1.48	\$1.60	\$1.80	\$2.00	\$2.40	\$2.80			

for 15c 1/4 in. "VAN" EXPANSIVE SHELLS. 4 35c 1/2 in.

For solidly fastening gasoline engines, cream separators, machinery, etc., to concrete floors. Also used for permanently fastening pipes, fixtures, hangers, etc., to brick, stone or tile work. State size.

NOTE—To determine proper length bolts required, add length of shell to thickness of material to be fastened. Prices do not include bolts.

9R3091—Per set of 4 shells.

Size stone drill to use.

9R3091—Price for stonewdrill, each.

9R3092—Round and Flat Head Stove Bolts. State length. Pkg. 12c and Up

9R3052—Diameter, 1/4 inch.

Length, in. 1/2c 1c 1 1/2c

Per pkg. of 25. 10c 11c 12c 13c 14c 15c

9R3053—Diameter, 5/16 inch.

Length, in. 1 1/2c 2 2 1/2c

Per pkg. of 25. 14c 15c 16c 17c 18c 19c 20c

9R3054—Round Head Stove Bolts. State length. Pkg. 12c and Up

9R3055—Diameter, 1/4 inch.

Length, in. 1/2c 1c 1 1/2c

Per pkg. of 25. 12c 13c 14c 15c 16c 17c 18c 19c 20c

9R3056—Diameter, 5/16 inch.

Length, in. 1 1/2c 2 2 1/2c

Per pkg. of 25. 13c 14c 15c 16c 17c 18c 19c 20c

9R3057—Diameter, 3/8 inch.

Length, in. 2 2 1/2c 3 3 1/2c

Per pkg. of 25. 16c 17c 18c 19c 20c

9R3058—Diameter, 1/2 inch.

Length, in. 3 3 1/2c 4 4 1/2c

Per pkg. of 25. 17c 18c 19c 20c

9R3059—Diameter, 5/8 inch.

Length, in. 4 4 1/2c 5 5 1/2c

Per pkg. of 25. 18c 19c 20c

9R3060—Diameter, 3/4 inch.

Length, in. 5 5 1/2c 6 6 1/2c

Per pkg. of 25. 19c 20c

9R3061—Diameter, 1 1/2 inch.

Length, in. 7 7 1/2c 8 8 1/2c

Per pkg. of 25. 21c 22c

9R3062—Diameter, 1 1/2 inch.

Length, in. 9 9 1/2c 10 10 1/2c

Per pkg. of 25. 23c 24c

9R3063—Diameter, 1 1/2 inch.

Length, in. 11 11 1/2c 12 12 1/2c

Per pkg. of 25. 25c 26c

9R3064—Diameter, 1 1/2 inch.

Length, in. 13 13 1/2c 14 14 1/2c

Per pkg. of 25. 27c 28c

9R3065—Diameter, 1 1/2 inch.

Length, in. 15 15 1/2c 16 16 1/2c

Per pkg. of 25. 29c 30c

9R3066—Diameter, 1 1/2 inch.

Length, in. 17 17 1/2c 18 18 1/2c

Per pkg. of 25. 31c 32c

9R3067—Diameter, 1 1/2 inch.

Length, in. 19 19 1/2c 20 20 1/2c

Per pkg. of 25. 33c 34c

9R3068—Diameter, 1 1/2 inch.

Length, in. 21 21 1/2c 22 22 1/2c

Per pkg. of 25. 35c 36c

9R3069—Diameter, 1 1/2 inch.

Length, in. 23 23 1/2c 24 24 1/2c

Per pkg. of 25. 37c 38c

9R3070—Diameter, 1 1/2 inch.

Length, in. 25 25 1/2c 26 26 1/2c

Per pkg. of 25. 39c 40c

9R3071—Diameter, 1 1/2 inch.

Length, in. 27 27 1/2c 28 28 1/2c

Per pkg. of 25. 41c 42c

9R3072—Diameter, 1 1/2 inch.

Length, in. 29 29 1/2c 30 30 1/2c

Per pkg. of 25. 43c 44c

9R3073—Diameter, 1 1/2 inch.

Length, in. 31 31 1/2c 32 32 1/2c

Per pkg. of 25. 45c 46c

9R3074—Diameter, 1 1/2 inch.

Length, in. 33 33 1/2c 34 34 1/2c

Per pkg. of 25. 47c 48c

9R3075—Diameter, 1 1/2 inch.

Length, in. 35 35 1/2c 36 36 1/2c

Per pkg. of 25. 49c 50c

9R3076—Diameter, 1 1/2 inch.

Length, in. 37 37 1/2c 38 38 1/2c

Per pkg. of 25. 51c 52c

9R3077—Diameter, 1 1/2 inch.

Length, in. 39 39 1/2c 40 40 1/2c

Per pkg. of 25. 53c 54c

9R3078—Diameter, 1 1/2 inch.

Length, in. 41 41 1/2c 42 42 1/2c

Per pkg. of 25. 55c 56c

9R3079—Diameter, 1 1/2 inch.

Length, in. 43 43 1/2c 44 44 1/2c

Per pkg. of 25. 57c 58c

9R3080—Diameter, 1 1/2 inch.

Length, in. 45 45 1/2c 46 46 1/2c

Per pkg. of 25. 59c 60c

9R3081—Diameter, 1 1/2 inch.

Length, in. 47 47 1/2c 48 48 1/2c

Per pkg. of 25. 61c 62c

9R3082—Diameter, 1 1/2 inch.

Length, in. 49 49 1/2c 50 50 1/2c

Per pkg. of 25. 63c 64c

9R3083—Diameter, 1 1/2 inch.

Length, in. 51 51 1/2c 52 52 1/2c

Per pkg. of 25. 65c 66c

9R3084—Diameter, 1 1/2 inch.

Length, in. 53 53 1/2c 54 54 1/2c

Per pkg. of 25. 67c 68c

9R3085—Diameter, 1 1/2 inch.

Length, in. 55 55 1/2c 56 56 1/2c

Per pkg. of 25. 69c 70c

Lag Bolts, Coach or Skein Screws. 19c to 70c Per Doz.

Gimlet pointed. These bolts are made for fastening down machinery, fastening on skeins and numerous other purposes. Made of good quality tough stock; threads are well formed; screws are full size and full length. State length.

9R3041—Diameter, 1/8 inch.

Length, inches. 2 2 1/2 3 4

Price, per dozen. 19c 21c 23c 26c

9R3042—Diameter, 5/32 inch.

Length, inches. 2 1/2 3 4 5

Price, per dozen. 25c 28c 31c 34c

9R3043—Diameter, 1/4 inch.

Length, inches. 4 5 6

Price, per dozen. 41c 47c 53c

Length, inches. 7 8

Price, per dozen. 62c 70c

\$105 ASSORTED SIZES SET SCREWS.

About sixty Set Screws, seventeen sizes, ranging from 3/4x1 1/2 to 1 1/2x2 1/2 in. Wt. about 2 1/2 lbs.

9R3029 Price \$1.05

We do not solicit inquiries for large quantities of bar iron for the use of dealers and manufacturers.

50 Assorted Machine Bolts

10 SIZES—
1 1/4 x 2 to
3/8 x 5.

Our Handy Farm Assortment.

9R3025—Complete assortment, as illustrated. Weight, about 5 lbs.

Price..... 76c

1/4 x 2 to
3/8 x 5.

5/16 x 3 in.

1/4 x 2 1/2 in.

5/16 x 2 in.

1/4 x 2 in.

5/16 x 3 in.

1/4 x 2 1/2 in.

5/16 x 2 in.

1/4 x 2 in.

5/16 x 3 in.

1/4 x 2 1/2 in.

5/16 x 2 in.

1/4 x 2 in.

5/16 x 3 in.

1/4 x 2 1/2 in.

5/16 x 2 in.

1/4 x 2 in.

5/16 x 3 in.

1/4 x 2 1/2 in.

5/16 x 2 in.

1/4 x 2 in.

5/16 x 3 in.

1/4 x 2 1/2 in.

5/16 x 2 in.

1/4 x 2 in.

5/16 x 3 in.

1/4 x 2 1/2 in.

5/16 x 2 in.

1/4 x 2 in.

5/16 x 3 in.

1/4 x 2 1/2 in.

5/16 x 2 in.

1/4 x 2 in.

5/16 x 3 in.

1/4 x 2 1/2 in.

5/16 x 2 in.

1/4 x 2 in.

5/16 x 3 in.

1/4 x 2 1/2 in.

5/16 x 2 in.

1/4 x 2 in.

5/16 x 3 in.

1/4 x 2 1/2 in.

5/16 x 2 in.

1/4 x 2 in.

5/16 x 3 in.

1/4 x 2 1/2 in.

5/16 x 2 in.

Fulton Circular Saws

\$2.90

12-in.



Are Made of Special Saw Steel of the Correct Gauge or Thickness for the Size and Kind of Saw and With the Proper Number of Teeth as Listed Below.

Saws are evenly tempered, ground on special machinery, and are carefully balanced and tested at full speed. Every Fulton Circular Saw is hand smitten and hand blocked, hand filed and hand set, and sent out ready for use.

Fulton Circular Cut-Off Saws.

High speed saws, for use in factories, mills and general wood working plants. State diameter.

9R5000—Fulton Circular Cut-Off Saws

in small sizes.

Diam., In.	Arbor Hole, In.	Rev. per Minute	Teeth	Shpg. Wt., Lbs.	Price, Each
4	19 $\frac{3}{4}$	5,000	110 $\frac{1}{4}$	\$1.00	
6	18 $\frac{3}{4}$	4,800	110 $\frac{1}{4}$	1.30	
8	18 $\frac{3}{4}$	4,600	110 $\frac{1}{4}$	1.70	
10	16 1	4,000	100 $1\frac{1}{2}$	2.25	
12	15 1	3,800	90 $2\frac{1}{2}$	2.90	
14	15 $1\frac{1}{2}$	2,800	90 $3\frac{1}{2}$	3.75	

NOTE—State whether $1\frac{1}{2}$ -inch or $1\frac{1}{2}$ -inch arbor hole is wanted on 28 and 30-inch saws.

99R5955—Fulton Circular Cut-Off Saws

in large sizes.

Diam., In.	Arbor Hole, In.	Rev. per Minute	Teeth	Shpg. Wt., Lbs.	Price, Each
16	14	1 $\frac{1}{8}$	2,500	6	\$4.75
18	13	1 $\frac{1}{8}$	2,250	8	5.85
20	13	1 $\frac{1}{8}$	1,950	10	7.15
22	12	1 $\frac{1}{8}$	1,750	12	8.65
24	11	1 $\frac{1}{8}$	1,600	12	10.35
26	11	1 $\frac{1}{8}$	1,500	12	12.35
28	10	1 $\frac{1}{8}$ or $1\frac{1}{2}$	1,400	12	14.35
30	10	1 $\frac{1}{8}$ or $1\frac{1}{2}$	1,300	12	16.65
32	10	1 $\frac{1}{8}$	1,225	8	16.65
34	9	1 $\frac{1}{8}$	1,125	8	19.15
36	9	1 $\frac{1}{8}$	1,075	9	21.75

NOTE—State whether $1\frac{1}{2}$ -inch or $1\frac{1}{2}$ -inch arbor hole is wanted on 28 and 30-inch saws.

\$4.90 Circular Saw Mandrels. \$4.95 AND UP.



Pulley on right hand side.

Pulley in center.

High grade circular saw mandrel, guaranteed to give satisfactory service. Boxes and pillows of soft gray iron, boxes are well babbited with a good quality of babbitt, pulleys and flanges are accurately turned. Shaft is cold rolled steel and arbors have left hand threads. Furnished complete with bolts for attaching.

Wt.,

Size of Pulley, Diam. Length of Face, Diam. Size of Flange, Shaft, Saw, Abt., Pulley in ed., 99R5575 Pulley

Size	Diam.	Length	Diam.	Size	Crat.	99R5576
0 2	x 3	2	16 $\frac{1}{2}$	$\frac{7}{8}$	$\frac{5}{8}$	14 \$ 4.90 \$ 4.95
1 2 $\frac{1}{2}$	x 3 $\frac{1}{2}$	2 $\frac{1}{2}$	16 $\frac{1}{2}$	1 $\frac{1}{8}$	1	22 5.30
2 3 $\frac{1}{2}$	x 4	3	19	1 $\frac{1}{8}$	1	30 6.25
3 3 $\frac{1}{2}$	x 4 $\frac{1}{2}$	3 $\frac{1}{2}$	21 $\frac{1}{2}$	1 $\frac{1}{8}$	1	35 7.35
4 4 $\frac{1}{2}$	x 5 $\frac{1}{2}$	4 $\frac{1}{2}$	24	1 $\frac{1}{8}$	1	40 8.45
5 4 $\frac{1}{2}$	x 6	5 $\frac{1}{2}$	26	1 $\frac{1}{8}$	1	45 9.25
6 5 $\frac{1}{2}$	x 6	5 $\frac{1}{2}$	28	1 $\frac{1}{8}$	1	50 9.95
7 6 $\frac{1}{2}$	x 7 $\frac{1}{2}$	6 $\frac{1}{2}$	30 $\frac{1}{2}$	1 $\frac{1}{8}$	1	60 10.85
8 6 $\frac{1}{2}$	x 8 $\frac{1}{2}$	6 $\frac{1}{2}$	32 $\frac{1}{2}$	1 $\frac{1}{8}$	1	70 13.55
9 7	x 8	6	37	1 $\frac{1}{8}$	1	80 16.65
10 8	x 8	6	41	1 $\frac{1}{8}$	1	90 19.15
11 9	x 10	6	48	2 $\frac{7}{8}$	1	150 28.90 28.95

Carpenters' Fulton Adzes.

Cutting bits of steel, carefully tempered. Take a keen edge. Price does not include handle. State width. Width cut, about, inches. Weight, about, pounds.

9R5168—Price \$2.15 \$2.20 \$2.25



Carpenters' Adze Handle.

Straight grain seasoned stock, properly shaped, smoothly finished. Wt. about $1\frac{1}{2}$ lbs. **99R5737—34 inches long. Price.....26c**

Send for your copy today. Ask for Wood Working Machinery Catalog 9528R.

\$98.00

50-in.

Guaranteed to give satisfactory service. Revolutions per minute, 500. Feed, 4 inches. Shipped direct from factory near CHICAGO.

99R8304 $\frac{1}{2}$ —State diameter.

No. Teeth in Saw Shpg. Wt., Price, Each

Diam. In.	Gauge	About	\$ 63.00
40	8	28	90 lbs.
42	7	30	110 lbs.
44	7	30	130 lbs.
46	7	30	140 lbs.
48	7	30	150 lbs.
50	6	32	170 lbs.
52	6	34	185 lbs.
54	6	34	200 lbs.
56	6	36	215 lbs.
58	6	38	230 lbs.
60	6	40	240 lbs.

Shipping weight, about 25 pounds. **164.00**

Send for your copy today. Ask for Wood Working Machinery Catalog 9528R.

Extra Points and Holders for Fulton Inserted Tooth Saws.

Shipped direct from factory only.

99R8306 $\frac{1}{2}$ —Fulton Drop Forged Extra Points only. Shipping wt., per 100, about 2 $\frac{1}{2}$ lbs. Price, per 100, \$3.80; each.....4c

99R8307 $\frac{1}{2}$ —Fulton Drop Forged Extra Holders for points. Shpg. wt., per 100, abt. 9 lbs. Price, per 100, \$3.00; each.....3c

99R8308 $\frac{1}{2}$ —Fulton Inserted Tooth Wrenches. Shipping weight, about 2 lbs. Price, each.....60c

Send for your copy today. Ask for Wood Working Machinery Catalog 9528R.

Fulton Inserted Tooth Mill Saws.

We will make any size saw with more teeth, if desired, at an additional price of 40 cents for each extra tooth.

Revolutions per minute, 500. Feed, 4 inches. Shipped direct from factory near CHICAGO.

99R8304 $\frac{1}{2}$ —State diameter.

No. Teeth in Saw Shpg. Wt., Price, Each

Diam. In.	Gauge	About	\$ 63.00
40	8	28	90 lbs.
42	7	30	110 lbs.
44	7	30	130 lbs.
46	7	30	140 lbs.
48	7	30	150 lbs.
50	6	32	170 lbs.
52	6	34	185 lbs.
54	6	34	200 lbs.
56	6	36	215 lbs.
58	6	38	230 lbs.
60	6	40	240 lbs.

Shipping weight, about 25 pounds. **164.00**

Send for your copy today. Ask for Wood Working Machinery Catalog 9528R.

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99R8310 $\frac{1}{2}$ —Fulton Inserted Tooth Wrenches. Shipping weight, about 2 lbs. Price, each.....60c

Send for your copy today. Ask for Wood Working Machinery Catalog 9528R.

99R8311 $\frac{1}{2}$ —Fulton Inserted Tooth Wrenches. Shipping weight, about 2 lbs. Price, each.....60c

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99R8312 $\frac{1}{2}$ —Fulton Inserted Tooth Wrenches. Shipping weight, about 2 lbs. Price, each.....60c

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99R8313 $\frac{1}{2}$ —Fulton Inserted Tooth Wrenches. Shipping weight, about 2 lbs. Price, each.....60c

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99R8314 $\frac{1}{2}$ —Fulton Inserted Tooth Wrenches. Shipping weight, about 2 lbs. Price, each.....60c

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99R8315 $\frac{1}{2}$ —Fulton Inserted Tooth Wrenches. Shipping weight, about 2 lbs. Price, each.....60c

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99R8316 $\frac{1}{2}$ —Fulton Inserted Tooth Wrenches. Shipping weight, about 2 lbs. Price, each.....60c

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99R8317 $\frac{1}{2}$ —Fulton Inserted Tooth Wrenches. Shipping weight, about 2 lbs. Price, each.....60c

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99R8318 $\frac{1}{2}$ —Fulton Inserted Tooth Wrenches. Shipping weight, about 2 lbs. Price, each.....60c

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99R8319 $\frac{1}{2}$ —Fulton Inserted Tooth Wrenches. Shipping weight, about 2 lbs. Price, each.....60c

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99R8320 $\frac{1}{2}$ —Fulton Inserted Tooth Wrenches. Shipping weight, about 2 lbs. Price, each.....60c

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99R8324 $\frac{1}{2}$ —Fulton Inserted Tooth Wrenches. Shipping weight, about 2 lbs. Price, each.....60c

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99R8325 $\frac{1}{2}$ —Fulton Inserted Tooth Wrenches. Shipping weight, about 2 lbs. Price, each.....60c

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99R8326 $\frac{1}{2}$ —Fulton Inserted Tooth Wrenches. Shipping weight, about 2 lbs. Price, each.....60c

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99R8329 $\frac{1}{2}$ —Fulton Inserted Tooth Wrenches. Shipping weight, about 2 lbs. Price, each.....60c

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99R8330 $\frac{1}{2}$ —Fulton Inserted Tooth Wrenches. Shipping weight, about 2 lbs. Price, each.....60c

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99R8331 $\frac{1}{2}$ —Fulton Inserted Tooth Wrenches. Shipping weight, about 2 lbs. Price, each.....60c

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99R8332 $\frac{1}{2}$ —Fulton Inserted Tooth Wrenches. Shipping weight, about 2 lbs. Price, each.....60c

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99R8333 $\frac{1}{2}$ —Fulton Inserted Tooth Wrenches. Shipping weight, about 2 lbs. Price, each.....60c

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99R8334 $\frac{1}{2}$ —Fulton Inserted Tooth Wrenches. Shipping weight, about 2 lbs. Price, each.....60c

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99R8335 $\frac{1}{2}$ —Fulton Inserted Tooth Wrenches. Shipping weight, about 2 lbs. Price, each.....60c

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99R8336 $\frac{1}{2}$ —Fulton Inserted Tooth Wrenches. Shipping weight, about 2 lbs. Price, each.....60c

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99R8337 $\frac{1}{2}$ —Fulton Inserted Tooth Wrenches. Shipping weight, about 2 lbs. Price, each.....60c

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99R8338 $\frac{1}{2}$ —Fulton Inserted Tooth Wrenches. Shipping weight, about 2 lbs. Price, each.....60c

Send for your copy today. Ask for Wood Working Machinery Catalog 9528R.

99R8339 $\frac{1}{2}$ —Fulton Inserted Tooth Wrenches. Shipping weight, about 2 lbs. Price, each.....60c

Send for your copy today. Ask for Wood Working Machinery Catalog 9528R.

99R8340

EMERY WHEEL STANDS AND COLUMNS

Stands and Columns Are Sold Separately.

If you desire grinder mounted on column, order a column at the same time you order the stand. Stands are equipped with dustproof brass oil cups and furnished with bolts for attaching to columns. Columns have raised edge around top to prevent tools from falling off, are bored and furnished with lag screws for fastening to the floor. These grinders are well made, properly fitted and guaranteed to give satisfactory service.



Emery Wheel Stand Only.

With adjustable tool rests. Will run two 14x2-inch grinding wheels with 1½-inch holes. Size of spindle, 1½ inches in diameter by 27 inches long, with 5-inch babbitt bearings. Size of pulley, 5 inches in diameter by 4½ inches face. Shipping weight, about 86 pounds.

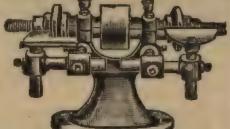
99R5556

Price for stand only, without emery wheel, \$22.55

Columns Have Raised Edge Around Top to Prevent Tools From Falling Off.

Column Only.

Height, 28½ inches. Size of base, 15 x 19 inches. Shipping weight, about 130 lbs. **99R5557** Price for column only, \$10.85

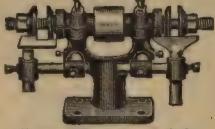


Emery Wheel Stand Only.

With adjustable tool rests. Will run two 10x1½-inch grinding wheels with 1-inch holes. Size of spindle, 1½ inches in diameter by 19 inches long, with 2½-inch babbitt bearings. Size of pulley, 2½ inches in diameter by 2-inch face. Shipping wt., about 25 lbs.

99R5554 Price for stand only, without emery wheel, \$13.65

COLUMN ONLY. Height, 32 inches. Size of base, 14x16 inches. Shipping weight, about 80 pounds. **99R5555** Price for column only, \$7.60

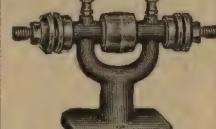


Emery Wheel Stand Only.

With adjustable tool rests. Will run two 8x1-inch grinding wheels with ¾-inch holes. Size of spindle, ¾ inch in diameter by 10½ inches long, with plain bearings. Size of pulley, 2 inches in diameter by 1½-inch face. Shipping weight, about 11 pounds.

99R5552 Price for stand only, without emery wheel, \$7.45

COLUMN ONLY. Height, 33½ inches. Size of base, 11x12 inches. Shipping weight, about 50 pounds. **99R5553** Price for column only, \$5.95



Emery Wheel Stand Only.

Will run two 6x1-inch emery wheels with ½-inch holes. Size of spindle, ½ inch in diameter by 10¾ inches long, with plain bearings. Size of pulley, 2 inches in diameter by 1½-inch face. Shipping weight, about 11 pounds.

99R5550 Price for stand only, without emery wheel, \$3.85

COLUMN ONLY. Height, 34½ inches. Size of base, 11x12 inches. Shipping weight, about 50 pounds. **99R5551** Price for column only, \$5.20

BELT COUNTERSHAFTS.

For use with emery wheel stands shown on this page and for general power purposes. Price includes lag screws and washers for attaching.

\$4.50 to \$15.65

Shaft In.	Small Pulleys In.	Drive Pulleys In.	Shpg. Wt. Abt. Lbs.	Price
99R5621	7/8	3 1/4 x 1 1/2	8x2	35 \$4.50
99R5622	1	5 x 2 1/2	10x2 1/2	50 \$6.65
99R5623	1 1/4	6 x 3	12x3	70 \$8.85
99R5624	1 1/4	6 x 4 1/2	15x4	112 \$15.65

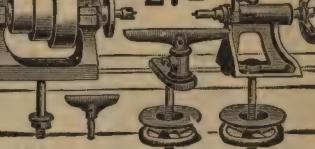
Polishing Head for Power.

Height, 6 inches. Diameter, ¾ inch. Drill chuck one end, taper left hand screw on other. Pulley for cord or belt. Takes wheels up to 4½ inch with ¾-inch hole. Weight, about 3 lbs. **9R5869** Price, \$1.45

9R5870 4-inch Cloth Buffing Wheels for use on above polishing head. Made of twenty thicknesses of cloth securely sewed together. Wt., about 2 oz. Price, each, 12¢

Full Size Lathe Sets for Mechanics' Use.

\$27.35 Size No. 3



Nos. 3 and 4 have babbitt bearings; Nos. 1 and 2 have cast iron bearings. Cones are carefully balanced, turned on inside as well as outside. Lathe set consists of metal parts only. Wood bed not included. State size.

99R5626 Lathe Set complete.

Size, No.	6	2	3	4
Cones, Spindles	2	2	3	4
Cones, Speeds	2	2	3	4
Diam. Spindle, in.	1 1/8	1 1/4	1 1/4	1 1/2
Morse Taper, No.	1	1	1 1/2	1 1/2
Takes Belt, In.	1	1 1/4	1 1/2	1 1/2
Shipping wt., lbs.	18	35	80	110
Price	\$12.35	\$16.90	\$27.35	\$45.00

Countershafts to Use with Above Lathe Sets. **\$12.30**



Illustration shows size No. 3.

Foot Wheel. **\$4.90**

Pulleys match pulleys on same size lathe sets. Price includes lag screws and washers for attaching. State size.

99R5631 Foot Wheel.

Size	Wt. Abt.	Price
No. 1	28 lbs.	\$6.70
No. 2	30 lbs.	8.60
No. 3	54 lbs.	12.30
No. 4	69 lbs.	14.70

For driving above lathe sets. Size wheel, 18½ in. with 2½-inch face. Screws furnished for fastening to floor. Shpg. wt., abt. 60 lbs. **99R5640** Price, \$4.90

Handy Oil Can Holder.

Fastes to wall anywhere or under hood of automobile. Takes 99R2611 Oil Can shown below, or any similar oil can with bottom diameter from 3½ to 3¾ inches. Made of steel with adjustable spring clamp. Screws furnished for attaching. Wt., about 3 ounces.

9R2618 Price, each, 12¢

Pump Oilers.

\$1.00

1-Pt. Amount of oil discharged is regulated by length of stroke of plunger. Oil can shown below, or any similar oil can with bottom diameter from 3½ to 3¾ inches. Made of steel with adjustable spring clamp. Screws furnished for attaching. Wt., about 3 ounces. **9R2615** Capacity, 1 pint; length of spout, 9½ inches. Weight, about 12 oz. Price, \$1.00

Half-Pint Oil Cans.

Well known mowing machine pattern. **9R2620** Tin 4-inch bent spout. Weight, about 4 ounces. Price, 12¢

9R2622 Seamless steel, copper plated, has 5-inch straight spout, holds about ½ pint. Wt., about 4 ounces. Price, 23¢

Seamless Copper Plated Steel Oilers. Electro copper plated. Nine-inch spout is bent, 5-inch spout is straight. Spring bottoms. State size.

Capacity	Bottom Diameter	Length, Spout	Wt., About	Price
9R2611	1/2 pt.	3 3/4 in.	5 in.	4 oz. 20¢
9R2612	1 pt.	4 1/4 in.	9 in.	6 oz. 30¢

Sears, Roebuck and Co. Chicago **1069**

\$1.05 6x1-Inch Howard Corundum Wheels

6x1/2-Inch 55c

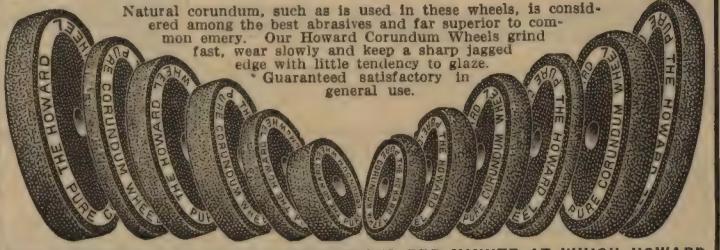


TABLE SHOWING NUMBER OF REVOLUTIONS PER MINUTE AT WHICH HOWARD CORUNDUM WHEELS GIVE BEST RESULTS.

Diam. Wheel, in. 2 3 4 5 6 8 10 12 14 16 18

Rev. per minute. 10,000 7,000 5,300 4,200 3,500 2,600 2,100 1,750 1,500 1,300 1,150

HOWARD CORUNDUM TOOL GRINDING WHEELS.

For grinding all kinds of carpenters' and woodworkers' tools, drills, lathes and planer tools, planing mill and paper cutting knives, and for general machine shop use. When ordering state our catalog number, diameter and thickness of wheel, size of hole in center, and the kind of work wheel is to be used for.

9R5952 With flat face.

9R5953 With round face.

Diameter, inches 2 3 4 5 6 8 10 12 14 16 18

Diam. Wheel, in. 2 3 4 5 6 8 10 12 14 16 18

Rev. per minute. 10,000 7,000 5,300 4,200 3,500 2,600 2,100 1,750 1,500 1,300 1,150

9R5948 With flat face.

9R5949 With round face.

Diameter, in. 8 10 12 14 16

Diam. Wheel, in. 2 3 4 5 6 8 10 12 14 16 18

Rev. per minute. 10,000 7,000 5,300 4,200 3,500 2,600 2,100 1,750 1,500 1,300 1,150

9R5946 With flat face.

9R5947 With round face.

Diameter, in. 8 10 12 14 16

Diam. Wheel, in. 2 3 4 5 6 8 10 12 14 16 18

Rev. per minute. 10,000 7,000 5,300 4,200 3,500 2,600 2,100 1,750 1,500 1,300 1,150

9R5950 With round face.

9R5951 With bevel face. State diameter, thickness and size of hole.

Diameter, in. 2 2 1/2 3 4 5 6

Diam. Wheel, in. 2 2 1/2 3 4 5 6 8 10 12 14 16 18

Rev. per minute. 10,000 7,000 5,300 4,200 3,500 2,600 2,100 1,750 1,500 1,300 1,150

9R5948 With flat face.

9R5949 With round face.

Diameter, in. 2 2 1/2 3 4 5 6

Diam. Wheel, in. 2 2 1/2 3 4 5 6 8 10 12 14 16 18

Rev. per minute. 10,000 7,000 5,300 4,200 3,500 2,600 2,100 1,750 1,500 1,300 1,150

9R5950 With round face.

9R5951 With bevel face. State diameter, thickness and size of hole.

Diameter, in. 2 2 1/2 3 4 5 6

Diam. Wheel, in. 2 2 1/2 3 4 5 6 8 10 12 14 16 18

Rev. per minute. 10,000 7,000 5,300 4,200 3,500 2,600 2,100 1,750 1,500 1,300 1,150

9R5952 With flat face.

9R5953 With round face.

Diameter, in. 2 2 1/2 3 4 5 6

Diam. Wheel, in. 2 2 1/2 3 4 5 6 8 10 12 14 16 18

Rev. per minute. 10,000 7,000 5,300 4,200 3,500 2,600 2,100 1,750 1,500 1,300 1,150

9R5954 With flat face.

9R5955 With round face.

Diameter, in. 2 2 1/2 3 4 5 6

Diam. Wheel, in. 2 2 1/2 3 4 5 6 8 10 12 14 16 18

Rev. per minute. 10,000 7,000 5,300 4,200 3,500 2,600 2,100 1,750 1,500 1,300 1,150

9R5956 With flat face.

9R5957 With round face.

Diameter, in. 2 2 1/2 3 4 5 6

Diam. Wheel, in. 2 2 1/2 3 4 5 6 8 10 12 14 16 18

Rev. per minute. 10,000 7,000 5,300 4,200 3,500 2,600 2,100 1,750 1,500 1,300 1,150

9R5958 With flat face.

9R5959 With round face.

Diameter, in. 2 2 1/2 3 4 5 6

Diam. Wheel, in. 2 2 1/2 3 4 5 6 8 10 12 14 16 18

Rev. per minute. 10,000 7,000 5,300 4,200 3,500 2,600 2,100 1,750 1,500 1,300 1,150

9R5960 With flat face.

9R5961 With round face.

Diameter, in. 2 2 1/2 3 4 5 6

Diam. Wheel, in. 2 2 1/2 3 4 5 6 8 10 12 14 16 18

Rev. per minute. 10,000 7,000 5,300 4,200 3,500 2,600 2,100 1,750 1,500 1,300 1,150

9R5962 With flat face.

9R5963 With round face.

Diameter, in. 2 2 1/2 3 4 5 6

Diam. Wheel, in. 2 2 1/2 3 4 5 6 8 10 12 14 16 18

Rev. per minute. 10,000 7,000 5,300 4,200 3,500 2,600 2,100 1,750 1,500 1,300 1,150

9R5964 With flat face.

9R5965 With round face.

Diameter, in. 2 2 1/2 3 4 5 6

Diam. Wheel, in. 2 2 1/2 3 4 5 6 8 10 12 14 16 18

Rev. per minute. 10,000 7,000 5,300 4,200 3,500 2,600 2,100 1,750 1,500 1,300 1,150

9R5966 With flat face.

9R5967 With round face.

Diameter, in. 2 2 1/2 3 4 5 6

Diam. Wheel, in. 2 2 1/2 3 4 5 6 8 10 12 14 16 18

Rev. per minute. 10,000 7,000 5,300 4,200 3,500 2,600 2,100 1,750 1,500 1,300 1,150

9R5968 With flat face.

9R5969 With round face.

Diameter, in. 2 2 1/2 3 4 5 6

Diam. Wheel, in. 2 2 1/2 3 4 5 6 8 10 12 14 16 18

Rev. per minute. 10,000 7,000 5,300 4,200 3,500 2,600 2,100 1,750 1,500 1,300 1,150

9R5970 With flat face.

9R5971 With round face.

Diameter, in. 2 2 1/2 3 4 5 6

Diam. Wheel, in. 2 2 1/2 3 4 5 6 8 10 12 14 16 18

Rev. per minute. 10,000 7,000 5,300 4,200 3,500 2,600 2,100 1,750 1,500 1,300 1,150

9R5972 With flat face.

9R5973 With round face.

Diameter, in. 2 2 1/2 3 4 5 6

Diam. Wheel, in. 2 2 1/2 3 4 5 6 8 10 12 14 16 18

Rev. per minute. 10,000 7,000 5,300 4,200 3,500 2,600 2,100 1,750 1,500 1,300 1,150

9R5974 Extra Cutters for emery wheel dressers.

Weight, about 1 ounce. Price, per set, 7¢

9R5975 For truing, shaping and removing glaze while wheel is running. Leaves wheel clean and sharp. Wt., about 1½ lbs.

Fulton Pond Ice Saws. \$3.95

Steel blade, sharpened and set ready for use. Price includes handle. State length. Shipping weight, about 15 pounds.

99R5969

Length blade, feet 4 4½ 5
Price, including handle. \$3.95 \$4.45 \$4.95

\$1.30 Fulton Wagon Ice Saws.

24-in.



Steel blade, with malleable iron handle. Sharpened and set ready for use. Fully guaranteed. State length. Shipping weight, about 4 pounds.

99R5967

Length, in. 24 26 28 30
Price, each.... \$1.30 \$1.50 \$1.75 \$2.10

Steel Ice Tongs.

Medium size. Drop forged steel. Will easily handle a 200-pound block. Shipping weight, 4 lbs.

99R2770

Price \$1.25



\$1.25

"Hold Fast" Screw Calks for Boots.



Actual Sizes.

Box, Medium.

For bottoms and heels of shoes to prevent wearer from slipping. In boxes containing fifty calks and one wrench. State size. Weight, about 4 ounces.

9R6000

Size Large Medium Small Blunt
Price, per box. 43c 42c 41c 40c

Fulton Handy Pliers.



Length, 6 inches. 25c

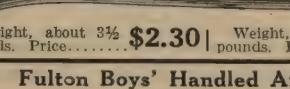
9R5832—Wire cutter and pliers combined. Very strong and durable. State size. Length, 6 in. Wt., about 8 oz. Price. 25c
Length, 8 in. Wt., about 12 oz. Price. 35c
Length, 10 in. Wt., about 14 oz. Price. 45c

\$2.30

3½-Pound.

FULTON SPECIAL AXES.

A quality ax made of the same high grade material as our Fulton Clipper Ax, but not as expensively finished. Has hickory handle. Every ax fully guaranteed. Be sure to state weight.



\$1.40

Weight, about 3½ pounds. Price. \$2.30

99R5659

\$2.60

4-Pound.

99R5664

Weight, About 3½ lbs.	Weight, About 4 lbs.	Weight, About 4½ lbs.
\$2.50	\$2.60	\$2.70

Round Poll Pattern, WITH HANDLE.

\$2.60

4-Pound.

99R5660

\$6.00

6-Lb.

Fulton Handled Broadaxes.

6-Lb.

99R5660

7-Lb.

8-Lb.

9-Lb.

10-Lb.

11½-Lb.

12-Lb.

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2

FULTON SAWS ARE MADE OF HIGH GRADE SAW STEEL, properly tempered and carefully ground, filed and set by hand. All Fulton Saws are sent out sharp and ready for use. Satisfaction guaranteed.

FULTON CROSSCUT SAWS



\$5.65

6-FOOT

FULTON CLIPPER TOOTH WIDE CROSSCUT SAWS.

7-FOOT

\$6.50

99R5928—A Popular saw for hard service. Fulton Clipper Tooth Saws, at middle of back, are ground six gauges thinner than the toothed edge. Fast cutting. Easy running. If you want high quality, this is the saw to buy. Without handles. For handles to fit see below. State length. 5 FEET LONG. Shipping weight, about 7 pounds. \$4.75 | 6 FEET LONG. Shipping weight, about 9 pounds. \$5.65 | 7 FEET LONG. Shipping weight, about 11 pounds. \$6.50

FULTON PERFORATED LANCE TOOTH WIDE CROSSCUT SAWS.

\$4.25

5-FOOT



99R5927—A popular and most satisfactory saw. Fulton Perforated Lance Tooth Saws, at middle of back, are ground five gauges thinner than the toothed edge. Easy to keep in order. Without handles. For handles see below. State length. 5 FEET LONG. Shipping weight, about 7 pounds. \$4.25 | 6 FEET LONG. Shipping weight, about 9 pounds. \$5.10

\$3.95 5-FOOT Fulton Diamond 6-FOOT \$4.75
Tooth Wide Crosscut Saws.



99R5926—Fulton Diamond Tooth Saws, at middle of back, are ground four gauges thinner than the toothed edge. Without handles. For handles see below. State length. Length 5 ft. 6 ft. Shipping weight, about 7 lbs. 9 lbs. Price \$3.95 \$4.75

\$3.20 5½-FOOT Fulton Champion Tooth Wide Crosscut Saws.



99R5922—Fulton Champion Tooth Wide Crosscut Saw with thin back. Well known and a favorite for many years. Without handles. For handles see below. Length 5½ ft. 8 lbs. Shipping weight, about 8 lbs. Price \$3.20

\$2.85 5-FOOT Fulton Peg Tooth Wide Crosscut Saws.



99R5921—Fulton Peg or V Tooth Wide Crosscut Saw with thin back. Standard quality. Without handles. For handles see below. Length 5 ft. 7 lbs. Shipping weight, about 7 lbs. Price \$2.85

Crosscut Saw Handles.



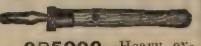
9R5088—Loop pattern. Weight, about 1½ pounds.

Price, per pair 28c



9R5089—Reversible pattern. Weight, about 1½ pounds.

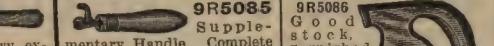
Price, per pair 32c



9R5090—Heavy, extra quality, loop pattern. Weight, about 2 pounds.

Price, per pair 39c

15c One-Man Crosscut Saw Handles. 21c



9R5085—Supplementary Handle. Complete with rivet. Weight, about 4 ounces.

Price 15c

9R5086—Good stock, varnished edges, without screws. Wt., abt. 8 oz. 21c

FULTON PERFORATED LANCE TOOTH ONE-MAN STRAIGHT BACK CROS CUT SAWS.

\$3.95 4-FOOT 99R5915—Fulton Perforated Lance Tooth Taper Ground, Thin Back, One-Man Saw. Complete as illustrated. State length. Shipping weight, about 6 pounds. \$3.95 | 5 FEET LONG. Shipping weight, about 8 pounds. \$4.95

\$2.50 3½-FOOT Fulton Champion Tooth, 4½-FOOT \$3.00
One-Man, Straight Back Crosscut Saws.

99R5914—Fulton Champion Tooth Taper Ground, Thin Back, One-Man Saw. Complete with handles, as illustrated. State length. Length 3½ ft. 5 lbs. Shipping weight, about 4½ ft. 7 lbs. Price \$2.50 \$3.00

STEEL CROWBARS.

Solid steel, tempered points, well proportioned, strong and substantial.

	12-LB. \$1.35
Wedge Point { 99R5501—Shipping weight, about 12 pounds.	Price \$1.35
99R5502—Shipping weight, about 16 pounds.	Price 1.75
99R5503—Shipping weight, about 20 pounds.	Price 2.15

	12-LB. \$1.35
Pinch Point { 99R5504—Shipping weight, about 12 pounds.	Price \$1.35
99R5505—Shipping weight, about 16 pounds.	Price 1.75
99R5506—Shipping weight, about 20 pounds.	Price 2.15

FULTON CLIPPER \$1.70 BUCK SAW

A High Grade, Fast Cutting Saw.

Blade is made of special saw steel, correctly tempered so as to give the best results under all conditions. Champion pattern coarse teeth, which cut free and easily without choking or wedging tight. Width of blade, about 2½ inches. Selected hardwood frame, red finish. Saw comes sharpened and set, ready for use. Weight, about 1 lbs.

9R5005—Price, complete \$1.70

9R5010—Extra Fulton Clipper Blades. Weight, about 8 ounces. Each 70c

\$1.55

Fulton Special
Specia
Buck
Saw.

FULTON SPECIAL

Frame made of hardwood and varnished. Steel blade properly tempered and fully guaranteed. Teeth are V shape, full bevel, filed, set and ready for use. Blade, about 1½ inches wide. Weight, about 3¼ pounds.

9R5006—Fulton Special Buck Saw. Price, complete \$1.55

9R5010—Extra Fulton Special Blades. Weight, about 6 ounces. Price, each 60c

\$1.35

Fulton
Buck
Saw.

FULTON

Steel blade about 2½ in. wide, V shape teeth. Hardwood frame, red finish. Weight, about 3½ pounds.

9R5005—Price, complete \$1.35

9R5009—Extra Blades. Weight, about 10 ounces. Price, each 50c

CROSSCUT AND CIRCULAR SAW SETS.

A standard tool that will give good service.

9R5102

Size No. 3. For single tooth saws from 20 to 14 gauge. Wt., abt. 2 lbs. Price, 82c

9R5103—Size No. 4. For Champion Saws from 20 to 14 gauge. Weight, about 1½ pounds. Price, 86c

CROSSCUT SAW FILER, JOINTER, TOOTH GAUGE, SETTING BLOCK AND GAUGE.

By the use of this tool crosscut saws may be kept in good order. Full directions. Wt., abt. 1½ pounds.

9R5119—Price, without file 45c

SOLID FORGED STEEL GOUGES. 38c ½-IN.

Made from one piece of octagon steel, properly tempered. Stats width.

9R5205

Size cutting edge, in. ½ ¾ 1

Wt., abt. oz. 7 8 13

Price, each 38c 44c 50c

SOLID FORGED STEEL CHISELS. 22c ½-IN.

Made from one piece of octagon steel, properly tempered. Stats width.

9R5203

Size cutting edge, in. ½ ¾ 1 1½

Wt., abt. lbs. ½ ½ 1 1½

Price, each 22c 28c 32c 38c 44c

WRECKING BARS. OUR PRICE, 42c 24-INCH

Forged steel. 12-inch size forged from ½-inch stock; 24 and 30-inch size forged from ¾-inch stock.

9R5732

Length, about 12 inches. Shpg. wt., about 12 oz. Price, each 25c

9R5498

Length, about 24 inches. Shpg. wt., about 3½ lbs. Price, each 42c

Sears, Roebuck and Co. Chicago 107

All Fulton Bench Planes have patented adjustment for exact adjustment of cutters with face of plane.

FULTON IRON JOINTER PLANES.

\$5.35

Smooth Bottom.



2 1/2 inches long, 2 1/2-inch cutter.

9R5270—Smooth bottom. Weight, about 9 pounds. Price.....\$5.35
9R5271—Corrugated bottom. Weight, about 9 pounds. Price.....\$5.70

FULTON IRON FORE PLANES.

\$4.45

Smooth Bottom.



18 inches long, 2 1/2-inch cutter.

9R5268—Smooth bottom. Weight, about 7 pounds. Price.....\$4.45
9R5269—Corrugated bottom. Weight, about 7 pounds. Price.....\$4.75

EXTRA IRONS FOR ABOVE PLANES.

9R5293—Single Plane Irons, 2 1/2-inch cutter. Price, each.....\$5.00
9R5294—Double Plane Irons, 2 1/2-inch cutter. Price, each.....\$8.00

FULTON WOOD BOTTOM BENCH PLANES

cible cast steel, properly tempered and sharpened ready for use. All Fulton Bench Planes have patent side adjustment for exact adjusting of cutters with face of plane.

\$2.05



Fulton Wood Bottom Smooth Plane.

9R5274—8 1/4 inches long, 1 1/4-inch cutter. Weight, 3 pounds. Price.....\$2.05

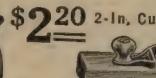
\$2.45



Fulton Wood Bottom Handled Smooth Plane.

9R5275—8 1/4 inches long, 2-inch cutter. Weight, about 3 1/4 pounds. Price.....\$2.45

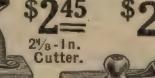
\$2.20 2-in. Cutter.



Fulton Wood Bottom Jack Plane.

9R5276—15 inches long, 2 1/2-inch cutter. Weight, about 4 1/2 lbs. Price.....\$2.20

\$2.45 2 1/2-in. Cutter.



Fulton Wood Bottom Fore Plane.

9R5278—20 inches long, 2 1/2-inch cutter. Weight, about 6 lbs. Price.....\$2.45

\$2.80



Fulton Wood Bottom Jointer Plane.

9R5279—26 inches long, 2 1/2-inch cutter. Weight, about 8 pounds. Price.....\$2.80

\$3.25

Width of Cutter.

9R5295—Single Plane Irons. Price, each.....\$1.00
9R5296—Double Plane Irons. Price, each.....\$1.00

FULTON ADJUSTABLE SCRAPER PLANE.

For scraping veneers, finishing cabinet work and removing old paint and glue.

Crucible steel cutter and knob. Length, 9 inches, with 2 1/2 in. cutter.

Weight, about 4 1/2 pounds. 9R5299—Price.....\$3.45

ADJUSTABLE CIRCULAR PLANE.

Face can be easily shaped to any required arc, concave or convex.

Also used as a straight bottom plane.

Length, 10 1/4 inches. Width of cutter, 1 1/4 inches. Weight, about 3 1/2 pounds. 9R5328—Price.....\$4.95

TONGUING AND GROOVING PLANES.

Commonly called "match" planes. Nickel plated.

Changed instantly from one style to the other. Price includes two cutters.

9R5323—Matches boards 3/8 to 1 1/4 in. Wt., about 2 1/2 pounds. Price.....\$3.90

9R5322—Matches boards 3/8 to 3/4 inch. Weight, about 2 1/2 lbs. Price.....\$3.85

DUPLEX RABBIT PLANE AND FILLETSTER.

Arm can be screwed into either side of stock, thus making a satisfactory right or left hand filletster with adjustable spur and depth gauge.

Length, 9 1/2 inches, 1 1/2 inch cutter. Weight, about 3 1/4 lbs. 9R5326—Price.....\$2.80

ADJUSTABLE BENCH STOPS.

50c

Screw adjusting reversible cast steel head. Screws furnished for attaching. Weight, about 12 ounces.

9R5565—Price.....\$0.50

FULTON BEECHWOOD BENCH PLANES.

Correctly made of selected straight grain beechwood, the best wood known for planes. They are properly proportioned, nicely finished and fitted with crucible steel double plane irons.

\$1.20 \$1.35 \$2.35 \$2.50 \$2.70

9R5282—Smooth, 7 1/2 inches long, 2 1/2-inch cutter. Wt., about 2 lbs. \$1.20
9R5283—Jack, 16 inches long, 2 1/2-inch cutter. Wt., about 4 lbs. Price.....\$1.35

9R5284—Fore, 22 inches long, 2 1/2-inch cutter. Weight, about 7 pounds. Price.....\$2.35

9R5285—Jointer, 23 1/2 inches long, 2 1/2-inch cutter. Wt., about 8 lbs. \$2.50
9R5286—Jointer, 28 inches long, 2 1/2-inch cutter. Wt., about 8 lbs. \$2.70

EXTRA PLANE IRONS FOR ABOVE PLANES. BE SURE TO STATE SIZE.

1 1/4 in. 2 in. 2 1/4 in. 2 1/2 in. 2 3/4 in. 3 1/2 in.

35c 40c 45c 50c 55c 60c

9R5297—Single Plane Irons. Price, each.....\$0.40
9R5298—Double Plane Irons. Price, each.....\$0.60

1 1/4 in. 2 in. 2 1/4 in. 2 1/2 in. 2 3/4 in. 3 1/2 in.

44c 51c 58c 64c 70c 80c

9R5299—Extra Plane Irons. Price, each.....\$0.60
9R5298—Extra Irons for above plane. Price.....\$0.60

1 1/4 in. 2 in. 2 1/4 in. 2 1/2 in. 2 3/4 in. 3 1/2 in.

44c 51c 58c 64c 70c 80c

9R5299—Extra Irons for above plane. Price.....\$0.60

1 1/4 in. 2 in. 2 1/4 in. 2 1/2 in. 2 3/4 in. 3 1/2 in.

44c 51c 58c 64c 70c 80c

9R5299—Extra Irons for above plane. Price.....\$0.60

1 1/4 in. 2 in. 2 1/4 in. 2 1/2 in. 2 3/4 in. 3 1/2 in.

44c 51c 58c 64c 70c 80c

9R5299—Extra Irons for above plane. Price.....\$0.60

1 1/4 in. 2 in. 2 1/4 in. 2 1/2 in. 2 3/4 in. 3 1/2 in.

44c 51c 58c 64c 70c 80c

9R5299—Extra Irons for above plane. Price.....\$0.60

1 1/4 in. 2 in. 2 1/4 in. 2 1/2 in. 2 3/4 in. 3 1/2 in.

44c 51c 58c 64c 70c 80c

9R5299—Extra Irons for above plane. Price.....\$0.60

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44c 51c 58c 64c 70c 80c

9R5299—Extra Irons for above plane. Price.....\$0.60

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44c 51c 58c 64c 70c 80c

9R5299—Extra Irons for above plane. Price.....\$0.60

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44c 51c 58c 64c 70c 80c

9R5299—Extra Irons for above plane. Price.....\$0.60

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44c 51c 58c 64c 70c 80c

9R5299—Extra Irons for above plane. Price.....\$0.60

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44c 51c 58c 64c 70c 80c

9R5299—Extra Irons for above plane. Price.....\$0.60

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44c 51c 58c 64c 70c 80c

9R5299—Extra Irons for above plane. Price.....\$0.60

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44c 51c 58c 64c 70c 80c

9R5299—Extra Irons for above plane. Price.....\$0.60

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44c 51c 58c 64c 70c 80c

9R5299—Extra Irons for above plane. Price.....\$0.60

1 1/4 in. 2 in. 2 1/4 in. 2 1/2 in. 2 3/4 in. 3 1/2 in.

44c 51c 58c 64c 70c 80c

9R5299—Extra Irons for above plane. Price.....\$0.60

1 1/4 in. 2 in. 2 1/4 in. 2 1/2 in. 2 3/4 in. 3 1/2 in.

44c 51c 58c 64c 70c 80c

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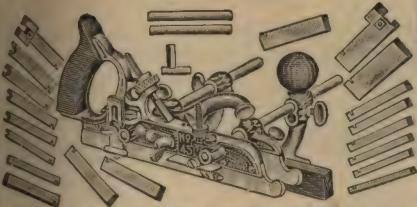
1 1/4 in. 2 in.

STANDARD
THE WORLD OVER.

STANLEY PLANES

UNUSUALLY HIGH
GRADE TOOLS.

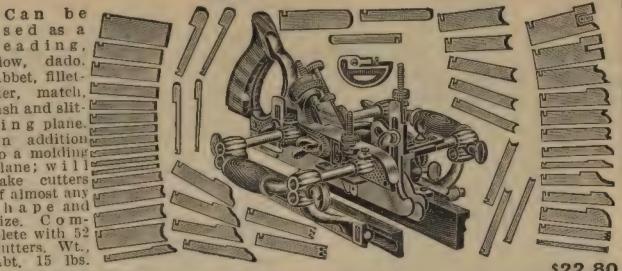
Stanley's "Forty-Five" Plane. \$11.55



Seven tools in one; beading plane, plow, dado, rabbet, filletster and match plane, sash plane and slitting plane. Complete with 21 cutters. Weight, about 9 pounds.

9R5332—Price \$11.55

Stanley's "Fifty-Five" Plane. \$22.80



9R5334—Price \$22.80

Stanley No. 46 Plow, Dado, Filletster and Matching Plane. \$7.95



Furnished with eight plow and dado bits, one filletster cutter and one slitting cutter, one tonguing tool. Plane is 10½ inches long. Wt. about 6 lbs. 9R5330—Price \$7.95

Stanley's Universal Handy Beader No. 66. \$1.20



9R5338—Price \$1.20

Stanley No. 62 Low Angle Jack Plane. \$4.60



9R5318—Price \$4.60

Stanley Router Plane No. 71. \$3.30



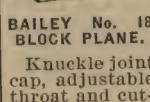
Has an open throat and is an improvement on the old style router. Furnished with a ¼ and ½ inch cutter. Length, 7½ inches. Weight, about 2½ pounds. 9R5336—Price \$3.30

STANLEY No. 140 RABBIT AND BLOCK PLANE. \$2.20



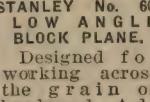
A detachable side will easily change it from a block to a rabbit plane. The cutter is adjustable endwise and is set on a skew. Length, 7 inches; ½-inch cutter. Weight, about 1½ lbs. 9R5303—Price \$2.20

BAILEY No. 18 BLOCK PLANE. \$2.10



Knuckle joint cap, adjustable throat and cutter. Length, 6 inches; ½-inch cutter. Weight, about 1½ lbs. 9R5302—Price \$2.10

STANLEY No. 60 LOW ANGLE BLOCK PLANE. \$1.80



Designed for working across the grain on hardwood. A adjustable throat and cutter. Length, 6 in.; ½-in. cutter. Wt., about 1½ pounds. 9R5301—Price \$1.80

Bailey Iron Bench Planes With Corrugated Bottoms.

These well known planes have been in use for nearly fifty years and are the recognized standard for this type of tool. Cutters are of the thin type and are made from a fine quality of steel. Have both wheel and lever adjustment.

9R5306 \$3.60 9R5307 \$4.15 9R5308 \$5.30 9R5309 \$7.15

No. 4C Bailey Smooth Plane, 9 in. long, 2-in. cutter. Wt., about 4 lbs. Price.....\$3.60 No. 5C Bailey Jack Plane, 14 in. long, 2½-in. cutter. Wt., about 5 lbs. Price.....\$4.15 No. 6C Bailey Fore Plane, 18 in. long, 2½-in. cutter. Wt., about 8 lbs. Price.....\$5.30 No. 8C Bailey Jointer Plane, 24 in. long, 2½-in. cutter. Wt., about 9 lbs. Price.....\$7.15

Bailey Wood Bottom Bench Planes.

The bottom, handle and knob are made from selected seasoned hardwood. Cutters are made from steel, tempered, ground and honed ready for use, and are adjustable both sidewise and endwise.

9R5312 \$2.80 9R5313 \$2.85 9R5314 \$3.10 9R5315 \$3.60

No. 35 Bailey Handled Smooth Plane, 8½ in. long, 2-in. cutter. Wt., about 3½ lbs. Price.....\$2.80 No. 27 Bailey Jack Plane, 15 in. long, 2½-in. cutter. Wt., about 4 lbs. Price.....\$2.85 No. 29 Bailey Fore Plane, 20 in. long, 2½-in. cutter. Wt., about 8 lbs. Price.....\$3.10 No. 32 Bailey Jointer Plane, 26 in. long, 2½-in. cutter. Wt., about 8 lbs. Price.....\$3.60

"ARROW HEAD BRAND." MECHANICS' C. E. JENNINGS & CO.'S FINE TOOLS "ARROW HEAD BRAND."

Set of 12 Jennings Socket Firmer Chisels. \$10.40



One each ¼, ½, ¾, 1, 1½, 2 and 2½ inches. Blades are crucible steel, tempered, ground and honed. Edges are beveled. Handles are hardwood, tipped with leather held on with hardwood dowel pins. Shipping weight, about 12 pounds. 99R5440—Price, per set, as illustrated, complete in case.....\$10.40



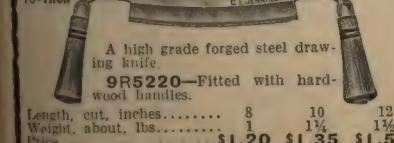
Handy assortment of small size tools, to meet the requirements of ordinary work to be done around the house. Size of case, 17x8½x6½ inches. Shipping wt., about 20 pounds. 99R5458—Price, complete.....\$10.35

\$2.40 Jennings Folding Handle Drawing Knife.



Folded handles protect cutting edge. Blade of steel, properly tempered. State length. 9R5222—Fitted with hardwood handles. Length, cut, inches.....8 10 12 1½ 2 2½ Weight, about, pounds.....1% 2 2% Price.....\$2.00 \$2.40 \$2.85

\$1.35 Jennings Razor Blade Drawing Knife.



A high grade forged steel drawing knife. 9R5220—Fitted with hardwood handles.

Length, cut, inches.....8 10 12 1½ 1½ Weight, about, lbs.....1.20 \$1.35 \$1.50

\$1.95 ALL JENNINGS "ARROW HEAD BRAND" SAWS ARE MADE IN THE GOOD OLD WAY, BY HAND. \$2.00

26-Inch Rip. Jennings No. A7½ Narrow Blade Hand Saw.

Runs as easy and smooth as a fine saw worn narrow by use. The 26-inch size is 6 inches wide at butt and tapers to 1½ inches at point (other sizes in proportion). Ground

thin on back. Have carved handles and are fully guaranteed. Be sure to give length and point wanted.

9R5050—Jennings No. A7½ Panel or Hand Saws. Points Wt. About, Length to Inch Lbs. Price

22-in. Panel 10, 11 or 12 1½ \$1.65 24-in. Hand 8, 9 or 10 1½ 1.80 26-in. Hand 7, 8, 9 or 10 1½ 1.95

Length to Inch Lbs. Price

26-in. Rip 5 or 6 1½ \$2.00 28-in. Rip 4½, 5 or 5½ 2 2.15

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Starrett's
Leveling
Instrument.OUR PRICE,
\$13.90Fully
Guaranteed.

Invaluable for leveling foundations and walls, setting machinery, running lines, ditches and drains, grading roads or hillsides. Instrument complete consists of upper plate with graduated arc divided by degrees, tripod, head, plumb bob and line. Adjustable in height from 2 feet 6 inches to 4 feet 6 inches. Sight tube 12 inches long, is brass, with small eye opening at one end and usual cross wires at other. No magnetic needle or complicated mechanism about this instrument, and with the complete directions we furnish with each one, anyone can use it and get perfect results. Shipping wt., about 25 lbs.

99R5475—Complete in wood box.....\$13.90

Nicely finished wood box.

For other leveling and surveying instruments write for Special Surveying Instrument Catalog.

IMPROVED LEVEL SIGHTS.

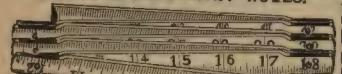
**70c 9R5562**

Adjustable to any carpenter's wood level. Affords a convenient and accurate means of leveling from one point to another. Weight, about 4 ounces.

Price, per pair, sights only.....**70c**

9R5563—Level Sights, will fit any standard make iron level. Weight, about 4 ounces. Price, per pair.....75c

ZIGZAG SPRING JOINT RULES.



55c 9R5520

Yellow finish with black markings. Metal tips. Width, $\frac{5}{8}$ in. State length. Length, feet... 3 4 5 6 7 8
Wt., about, oz... 2 3 3 4 5
Price 25c 35c 45c 55c 70c

TWO-FOOT FOUR-FOLD BOXWOOD RULE.



High grade, brass bound, spaced 8ths, 10ths and 16ths, with drafting scale. Width, closed, 1 in. Weight, about 4 oz.

9R5516—Price.....70c

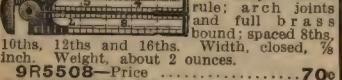
ARCHITECTS' 2-FT. FOUR-FOLD RULE.



Arch joints and plates, inside edge bevelled; spaced 8ths, 10ths, 12ths and 16ths, with drafting scale. Width, closed, 1 in. Weight, about 2 ounces.

9R5515—Price.....54c

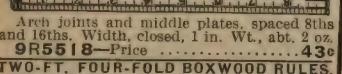
ONE-FOOT FOUR-FOLD CALIPER RULE.



A caliper and a rule; arch joints and full brass bound; spaced 8ths, 10ths, 12ths and 16ths. Width, closed, $\frac{3}{8}$ inch. Weight, about 2 ounces.

9R5518—Price.....70c

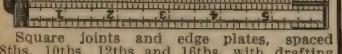
THREE-FOOT FOUR-FOLD RULE.



Arch joints and middle plates, spaced 8ths and 16ths. Width, closed, 1 in. Wt., abt. 2 oz.

9R5519—Price.....43c

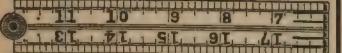
TWO-FT. FOUR-FOLD BOXWOOD RULES.



Square joints and edge plates, spaced 8ths, 10ths, 12ths and 16ths, with drafting scale. Width, closed, 1 in. Wt., abt. 2 oz.

9R5513—Price.....28c

9R5514—Same as above, except full brass bound. Wt., about 3 oz. Price.....54c



Length, ft... 23 22 21 20 19
Width, in... 2 1 1 1 1
Height, in... 1 1 1 1 1

A good low priced rule. Spaced 8ths and 16ths. Width, closed, 1 in. Wt., about 2 oz.

9R5512—Price.....18c

70c STANLEY ODD JOBS.

Can be used for many an odd job; a man with a hammer, saw, plane and one of these tools can do almost any ordinary job of carpentry. Complete with a 1-foot rule. Wt., about 10 oz.

9R5522—Price.....70c

"THE CARPENTERS' PRIDE." **5c**

Octagon shape pencil, 7 in. long. Wt., each, abt. 1 oz.

9R5487—Per dozen, 50c; each.....5c

3 for 12c

Polished cedar pencil, 7 in. long. Weight, per package of three, about 2 ounces.

9R5486—Per dozen, 44c; 3 for, 12c

Illustration shows use of angle device.

9R5966—In solid leather metal lined case.

State length wanted.

Length, ft... 25 50 75 100

Wt., abt., lbs... $\frac{1}{2}$ $\frac{3}{4}$ 1 $\frac{1}{2}$

Price, ea.... \$2.85 \$3.40 \$3.85 \$4.80

25-ft. Lengths, **\$2.85**

Section of tape showing swivel joint.

9R5966—In solid leather metal lined case.

State length wanted.

Length, ft... 25 50 75 100

Wt., abt., lbs... $\frac{1}{2}$ $\frac{3}{4}$ 1 $\frac{1}{2}$

Price, ea.... \$2.85 \$3.40 \$3.85 \$4.80

Each.....

\$1.25
3/2-INCH
CUT
FULTON
SHINGLING
HATCHETS.

Weights of Hatchets
Include Handles



9R5152
Cuts Abt., Weight, Abt.,
Size Inches Pounds
1 $\frac{3}{4}$ 1 $\frac{1}{4}$
2 4 2
3 $\frac{1}{2}$ 2 $\frac{1}{2}$
Price \$1.25
1.45

Wt., Abt. 2 $\frac{1}{4}$ Lbs.

9R5154
Cuts In.
Size About
1 $\frac{3}{4}$ 1.35
2 $\frac{3}{4}$ 1.45
3 $\frac{4}{5}$ 1.55
Price \$1.25
1.45

Wt., Abt. 2 $\frac{1}{4}$ Lbs.

9R5156
Cuts In.
Size About
1 $\frac{3}{4}$ 1.35
2 $\frac{3}{4}$ 1.45
3 $\frac{4}{5}$ 1.55
Price \$1.25
1.45

Wt., Abt. 2 $\frac{1}{4}$ Lbs.

9R5158
Cuts In.
Size About
1 $\frac{3}{4}$ 1.30
2 $\frac{3}{4}$ 1.40
3 $\frac{4}{5}$ 1.50
Price \$1.25
1.45

Wt., Abt. 2 $\frac{1}{4}$ Lbs.

9R5160
Cuts In.
Size About
1 $\frac{3}{4}$ 1.35
2 $\frac{3}{4}$ 1.40
3 $\frac{4}{5}$ 1.50
Price \$1.25
1.45

Wt., Abt. 2 $\frac{1}{4}$ Lbs.

9R5162
Cuts In.
Size About
1 $\frac{3}{4}$ 1.45
2 $\frac{3}{4}$ 1.55
3 $\frac{4}{5}$ 1.60
Price \$1.25
1.45

Wt., Abt. 2 $\frac{1}{4}$ Lbs.

9R5164
Cuts In.
Size About
1 $\frac{3}{4}$ 1.45
2 $\frac{3}{4}$ 1.55
3 $\frac{4}{5}$ 1.65
Price \$1.25
1.45

Wt., Abt. 2 $\frac{1}{4}$ Lbs.

9R5166
Cuts In.
Size About
1 $\frac{3}{4}$ 1.50
2 $\frac{3}{4}$ 1.60
3 $\frac{4}{5}$ 1.70
Price \$1.25
1.45

Wt., Abt. 2 $\frac{1}{4}$ Lbs.

9R5168
Cuts In.
Size About
1 $\frac{3}{4}$ 1.55
2 $\frac{3}{4}$ 1.65
3 $\frac{4}{5}$ 1.75
Price \$1.25
1.45

Wt., Abt. 2 $\frac{1}{4}$ Lbs.

9R5170
Cuts In.
Size About
1 $\frac{3}{4}$ 1.60
2 $\frac{3}{4}$ 1.70
3 $\frac{4}{5}$ 1.80
Price \$1.25
1.45

Wt., Abt. 2 $\frac{1}{4}$ Lbs.

9R5172
Cuts In.
Size About
1 $\frac{3}{4}$ 1.65
2 $\frac{3}{4}$ 1.75
3 $\frac{4}{5}$ 1.85
Price \$1.25
1.45

Wt., Abt. 2 $\frac{1}{4}$ Lbs.

9R5174
Cuts In.
Size About
1 $\frac{3}{4}$ 1.70
2 $\frac{3}{4}$ 1.80
3 $\frac{4}{5}$ 1.90
Price \$1.25
1.45

Wt., Abt. 2 $\frac{1}{4}$ Lbs.

9R5176
Cuts In.
Size About
1 $\frac{3}{4}$ 1.75
2 $\frac{3}{4}$ 1.85
3 $\frac{4}{5}$ 1.95
Price \$1.25
1.45

Wt., Abt. 2 $\frac{1}{4}$ Lbs.

9R5178
Cuts In.
Size About
1 $\frac{3}{4}$ 1.80
2 $\frac{3}{4}$ 1.90
3 $\frac{4}{5}$ 2.00
Price \$1.25
1.45

Wt., Abt. 2 $\frac{1}{4}$ Lbs.

9R5180
Cuts In.
Size About
1 $\frac{3}{4}$ 1.85
2 $\frac{3}{4}$ 1.95
3 $\frac{4}{5}$ 2.05
Price \$1.25
1.45

Wt., Abt. 2 $\frac{1}{4}$ Lbs.

9R5182
Cuts In.
Size About
1 $\frac{3}{4}$ 1.90
2 $\frac{3}{4}$ 2.00
3 $\frac{4}{5}$ 2.10
Price \$1.25
1.45

Wt., Abt. 2 $\frac{1}{4}$ Lbs.

9R5184
Cuts In.
Size About
1 $\frac{3}{4}$ 1.95
2 $\frac{3}{4}$ 2.05
3 $\frac{4}{5}$ 2.15
Price \$1.25
1.45

Wt., Abt. 2 $\frac{1}{4}$ Lbs.

9R5186
Cuts In.
Size About
1 $\frac{3}{4}$ 2.00
2 $\frac{3}{4}$ 2.10
3 $\frac{4}{5}$ 2.20
Price \$1.25
1.45

Wt., Abt. 2 $\frac{1}{4}$ Lbs.

9R5188
Cuts In.
Size About
1 $\frac{3}{4}$ 2.05
2 $\frac{3}{4}$ 2.15
3 $\frac{4}{5}$ 2.25
Price \$1.25
1.45

Wt., Abt. 2 $\frac{1}{4}$ Lbs.

9R5190
Cuts In.
Size About
1 $\frac{3}{4}$ 2.10
2 $\frac{3}{4}$ 2.20
3 $\frac{4}{5}$ 2.30
Price \$1.25
1.45

Wt., Abt. 2 $\frac{1}{4}$ Lbs.

9R5192
Cuts In.
Size About
1 $\frac{3}{4}$ 2.15
2 $\frac{3}{4}$ 2.25
3 $\frac{4}{5}$ 2.35
Price \$1.25
1.45

Wt., Abt. 2 $\frac{1}{4}$ Lbs.

9R5194
Cuts In.
Size About
1 $\frac{3}{4}$ 2.20
2 $\frac{3}{4}$ 2.30
3 $\frac{4}{5}$ 2.40
Price \$1.25
1.45

Wt., Abt. 2 $\frac{1}{4}$ Lbs.

9R5196
Cuts In.
Size About
1 $\frac{3}{4}$ 2.25
2 $\frac{3}{4}$ 2.35
3 $\frac{4}{5}$ 2.45
Price \$1.25
1.45

Wt., Abt. 2 $\frac{1}{4}$ Lbs.

9R5198
Cuts In.
Size About
1 $\frac{3}{4}$ 2.30
2 $\frac{3}{4}$ 2.40
3 $\frac{4}{5}$ 2.50
Price \$1.25
1.45

Wt., Abt. 2 $\frac{1}{4}$ Lbs.

9R5199
Cuts In.
Size About
1 $\frac{3}{4}$ 2.35
2 $\frac{3}{4}$ 2.45
3 $\frac{4}{5}$ 2.55
Price \$1.25
1.45

Wt., Abt. 2 $\frac{1}{4}$ Lbs.

9R5200
Cuts In.
Size About
1 $\frac{3}{4}$ 2.40
2 $\frac{3}{4}$ 2.50
3 $\frac{4}{5}$ 2.60
Price \$1.25
1.45

Wt., Abt. 2 $\frac{1}{4}$ Lbs.

9R5201
Cuts In.
Size About
1 $\frac{3}{4}$ 2.45
2 $\frac{3}{4}$ 2.55
3 $\frac{4}{5}$ 2.65
Price \$1.25
1.45

Wt., Abt. 2 $\frac{1}{4}$ Lbs.

9R5202
Cuts In.
Size About
1 $\frac{3}{4}$ 2.50
2 $\frac{3}{4}$ 2.60
3 $\frac{4}{5}$ 2.70
Price \$1.25
1.45

Wt., Abt. 2 $\frac{1}{4}$ Lbs.

9R5203
Cuts In.
Size About
1 $\frac{3}{4}$ 2.55
2 $\frac{3}{4}$ 2.65
3 $\frac{4}{5}$ 2.75
Price \$1.25
1.45

Wt., Abt. 2 $\frac{1}{4}$ Lbs.

9R5204
Cuts In.
Size About
1 $\frac{3}{4}$ 2.60
2 $\frac{3}{4}$ 2.70
3 $\frac{4}{5}$ 2.80
Price \$1.25
1.45

Wt., Abt. 2 $\frac{1}{4}$ Lbs.

9R5205
Cuts In.
Size About
1 $\frac{3}{4}$ 2.65
2 $\frac{3}{4}$ 2.75
3 $\frac{4}{5}$ 2.85
Price \$1.25
1.45

Wt., Abt. 2 $\frac{1}{4}$ Lbs.

9R5206
Cuts In.
Size About
1 $\frac{3}{4}$ 2.70
2 $\frac{3}{4}$ 2.80
3 $\frac{4}{5}$ 2.90
Price \$1.25
1.45

Wt., Abt. 2 $\frac{1}{4}$ Lbs.

9R5207
Cuts In.
Size About
1 $\frac{3}{4}$ 2.75
2 $\frac{3}{4}$ 2.85
3 $\frac{4}{5}$ 2.95
Price \$1.25
1.45

Wt., Abt. 2 $\frac{1}{4}$ Lbs.

9R5208
Cuts In.
Size About
1 $\frac{3}{4}$ 2.80
2 $\frac{3}{4}$ 2.90
3 $\frac{4}{5}$ 3.00
Price \$1.25
1.45

Wt., Abt. 2 $\frac{1}{4}$ Lbs.

9R5209
Cuts In.
Size About
1 $\frac{3}{4}$ 2.85
2 $\frac{3}{4}$ 2.95
3 $\frac{4}{5}$ 3.05
Price \$1.25
1.45

Wt., Abt. 2 $\frac{1}{4}$ Lbs.

9R5210
Cuts In.
Size About
1 $\frac{3}{4}$ 2.90
2 $\frac{3}{4}$ 3.00
3 $\frac{4}{5}$ 3.10
Price \$1.25
1.45

Wt., Abt. 2 $\frac{1}{4}$ Lbs.

9R5211
Cuts In.
Size About
1 $\frac{3}{4}$ 2.95
2 $\frac{3}{4}$ 3.05
3 $\frac{4}{5}$ 3.15
Price \$1.25
1.45

Wt., Abt. 2 $\frac{1}{4}$ Lbs.

9R5212
Cuts In.
Size About
1 $\frac{3}{4}$ 3.00
2 $\frac{3}{4}$ 3.10
3 $\frac{4}{5}$ 3.20
Price \$1.25
1.45

Wt., Abt. 2 $\frac{1}{4}$ Lbs.

9R5213
Cuts In.
Size About
1 $\frac{3}{4}$ 3.05
2 $\frac{3}{4}$ 3.15
3 $\frac{4}{5}$ 3.25
Price \$1.25
1.45

Wt., Abt. 2 $\frac{1}{4}$ Lbs.

9R5214
Cuts In.
Size About
1 $\frac{3}{4}$ 3.10
2 $\frac{3}{4}$ 3.20
3 $\frac{4}{5}$ 3.30
Price \$1.25
1.45

Wt., Abt. 2 $\frac{1}{4}$ Lbs.

9R5215
Cuts In.
Size About
1 $\frac{3}{4}$ 3.15
2 $\frac{3}{4}$ 3.25
3 $\frac{4}{5}$ 3.35
Price \$1.25
1.45

Wt., Abt. 2 $\frac{1}{4}$ Lbs.

9R5216
Cuts In.
Size About
1 $\frac{3}{4}$ 3.20
2 $\frac{3}{4}$ 3.30
3 $\frac{4}{5}$ 3.40
Price \$1.25
1.45

Wt., Abt. 2 $\frac{1}{4}$ Lbs.

9R5217
Cuts In.
Size About
1 $\frac{3}{4}$ 3.25
2 $\frac{3}{4}$ 3.35
3 $\frac{4}{5}$ 3.45
Price \$1.25
1.45

Wt., Abt. 2 $\frac{1}{4}$ Lbs.

9R5218
Cuts In.
Size About
1 $\frac{3}{4}$ 3.30
2 $\frac{3}{4}$ 3.40
3 $\frac{4}{5}$ 3.50
Price \$1.25
1.45

Fulton Special Nail Hammers

\$1 35
Forged from cast steel. Faces and claws are tempered just right. Claws are split to a fine point. Handles are made of selected second growth hickory, put in with iron wedges so they will not become loose. State size.
No. 1 1/2. Size No. Weight, with handle, about. Price

9R5145

1 1/2
22 oz. \$1.35
2
18 oz. \$1.30
No. 2.

FLOOR SCRAPER.

Does the work of three men with hand scrapers, saves time and labor; leaves the floor smooth and level; does away with the hard back breaking job of scraping floors by hand. An operator draws scraper toward him the blade works upon the floor, similar to the action of a hand scraper the weight of the machine giving force to the pull. Shpg. wt. abt. 122 lbs.

\$10 50

Adjustable handle. Blade is 6 inches wide, made of steel. Wheels are rubber tired to prevent scarring floor. Entire tool is neatly finished. Price includes one extra blade.

9R51480.

Price, complete. **\$10.50**

9R5234—Extra Blades. Weight, about 8 ounces. Price, each. 45c

\$105 ADJUSTABLE HANDLE SCRAPER.

Scrapers are made with a ball and socket joint. Handle may be adjusted to any angle and clamped by giving it a turn. Blade is of steel, properly hardened, and is firmly held between the jaws by a clamping screw on the front. Hardwood handle, 3-inch blade. Wt. about 2 lbs.

9R5237—Price. **\$1.05**
9R5238—Extra Blades. Weight, about 4 ounces. Price, each. 40c

CABINET SCRAPERS.

Made of high grade saw steel. Ready for use. State size.

9R5233
Size, inches. 2 1/2x5 3x6 3 1/4x7
Weight, about, ounces. 4 4 6
Price, each. 18c 21c 24c

HANDED CABINET SCRAPER.

Raised handles, tempered steel blade, 11 in. long, 2 1/2-inch cut. Weight, about 1 1/2 lbs. 9R5235—Price. **\$1.10**

COMBINED TRY AND MITER SQUARES.

Try square with 45° brass faced rose 6-in. wood and a 6-in. graduated steel blade. Blade is measured from outside of handle.

9R5545—State length.
Size, blade, in. 6 7 2/3 9 12
Wt., about, oz. 4 7 2/3 8 10
Price. 45c 50c 55c 70c

BRASS FACED TRY SQUARES.

Markings are 25c
25c 30c 35c 50c

UTILITY TRY and MITER SQUARE.

Made entirely of steel with shoulder securely riveted to handle. Graduated Miter end. Has scribing holes for pencil. Handy for lining a board for ripping. 7 1/2-in. Wt. about 4 oz. 9R5543—Price. 15c

ALL METAL SLIDING T BEVELS.

Iron handles, steel blades. A very strong and durable tool. State length.
Size, in. 6 8 10
Wt., abt. oz. 7 9 14
9R5541—Price. 45c 55c 65c

SLIDING T BEVELS.

Wood handle, has adjusting screw. Steel blade can be used right or left hand, either side up. State length.

Length, in. 6 8 10 12
Wt., about, oz. 3 4 6 7
9R5540—Price. 25c 30c 35c 40c

METAL HANDLE COMBINATION SQUARE

Graduated in 8ths, 12ths, 32nds and 48ths. Handle or head adjustable to any point. Awl included. Tempered steel blade, highly polished.

9R5558
Size, in. 12 14
Wt., abt., oz. 12 18
Ounces. 18 18
Price. 1.70 2.60

FLOORING CLAMP.

Strong, powerful and durable. A great time and labor saver in laying crooked and warped flooring or siding. Weight, about 2 1/2 pounds. 9R5587
Price. 70c

FULTON UTILITY NAIL HAMMER.

\$1 15

Combination nail hammer, nail puller, wrench and staple puller. Turns nuts on bolts from 3/4 to 1 1/2 inch. Weight, about 24 ounces. 9R5144—Price. \$1.15

9R5143—Price. \$1.15

HIGH GRADE NAIL HOLDING HAMMER.

\$1 35

Made from cast steel, properly tempered. Handle is selected hickory. Weight, about 24 ounces.

9R5144

9R5143—Price. \$1.35

ADZE EYE RIPPING HAMMER.

90c

Made from drop forged steel. Especially designed for ripping off flooring, siding, etc. Heavy octagon poll. Hickory handle. Wt. about 22 ounces. 9R5142—Price. 90c

BELL FACE FULTON SPECIAL NAIL HAMMERS

90c

Size No. 1 1/2.

Forged from cast steel, properly tempered. Hickory handle. State size. 9R5141

9R5140

Size No. 1 1/2

Forged from solid steel bars. Hickory handle. State size.

SPRINGFIELD FORGED STEEL HAMMERS

70c

Size No. 2.

Forged from solid steel bars. Hickory handle. State size. 9R5140

9R5148

Size No. 1 1/2

Forged from solid steel bars. Hickory handle. State size.

FULTON SPECIAL

All weights given on hammers include the handle.

9R5148

Size, each. 6c

9R5148

The Improved
Fulton Special
Ratchet Bit
Brace.



\$2 60

10-Inch Sweep.

\$2 75

12-Inch Sweep.

Frictionless roller bearings. Well made and nicely finished throughout.
SWEEP—High grade steel, $\frac{1}{2}$ inch in diameter.

HEAD—Select hardwood, steel clad to protect it from being split or bruised. It is attached to the sweep by means of a steel quill that revolves on roller bearings.

HANDLE—Select hardwood, babbitt metal bushings inserted in the end to prevent it from splitting. Revolves on patent adjustable tapered steel collars and bearings. By means of set screws any looseness from wear may be instantly taken up.

RATCHET—Simple in construction, easily operated, strong and durable. The ratchet teeth are cut on the end of the steel body that revolves in the socket attached to the sweep and are concealed and protected by this socket.

SLEEVE—Made of malleable iron, has knurled grip.

CHUCK—Has forged steel jaws. Takes regular square shank bits and round shank bits up to $\frac{1}{2}$ inch in diameter. Will take a large size expansive bit.

WRENCH—Made of malleable iron, has knurled grip.

WEIGHT—About 2 lbs.

PRICE—\$2.75

Frictionless Roller Bearings.

9R5428

State size wanted.



Weight,	About	Price
8 inches	$\frac{1}{2}$ lbs.	\$2.40
10 inches	$\frac{3}{4}$ lbs.	2.60
12 inches	$\frac{3}{4}$ lbs.	2.75
14 inches	3 lbs.	2.95

Wrought Iron Bench Screws.



60c 1-Inch.

Threads are machine cut, have wood handles and movable collars. State size.

9R5568—With screws for attaching. Diameter, inches 1 $\frac{1}{8}$ $\frac{1}{4}$ $\frac{1}{2}$ Length, inches 16 $\frac{1}{2}$ 18 $\frac{1}{2}$ 17 $\frac{1}{2}$ Wt., about, lbs. 5 6 7 Price 60c 70c 80c

MALLEABLE IRON CLAMPS.

Has swivel head and cut threads. State size.

9R5571

Opens, inches ... 3 4 5 6 8 10

Wt., about, lbs. ... 1 1 $\frac{1}{2}$ 2 4 5

Price, each 35c 45c 60c 75c \$1.15 \$1.55

35c And Up

JAPANNED IRON QUILT FRAME CLAMPS.

About 3-in. open. 10c ing. Weight, about 8 ounces. Each

9R5570

Each \$0.10

Per dozen.... 1.05

HARDWOOD HAND SCREW CLAMPS.

45c 12-in.

Illustration shows complete set. State size.

9R5573

Length jaws, about, in. 8 10 12 16 20

Width jaws, about, in. 1 $\frac{1}{2}$ 1 $\frac{1}{2}$ 1 $\frac{1}{2}$ 2 $\frac{1}{2}$ 2 $\frac{1}{2}$

Opens, about, in. 4 $\frac{1}{2}$ 5 $\frac{1}{2}$ 7 $\frac{1}{2}$ 9 $\frac{1}{2}$ 14

Wt., about, lbs. ... 1 1 $\frac{1}{2}$ 2 $\frac{1}{2}$ 5 8

Price, per set 30c 35c 45c 55c 72c

CABINETMAKERS' STEEL BAR CLAMPS.

\$2 80

4-Ft.

T shaped steel bar, size $1\frac{1}{2} \times \frac{1}{4}$ inch. $\frac{1}{4}$ -inch

wrought screw and malleable castings. Price, per set.

99R5522

Opens Shpg. Wt. Each

2 $\frac{1}{2}$ ft. 8 lbs. \$2.30

3 ft. 9 lbs. 2.55

4 ft. 10 lbs. 2.80

5 ft. 11 lbs. 3.10

\$1 70

Small Size.

UNIVERSAL DETACHABLE CLAMPS.

9R5577

Attach to timber up to

1 $\frac{1}{2}$ inches thick and 2

inches or more in width. Set consists of one head-piece and one sliding jaw. Weight, per set, about 6 pounds. Price, per set \$1.70

9R5579—Same as 9R5577, only larger size. Attaches to timber up to 2 inches thick and 4 inches or more in width. Weight, per set, about 6 lbs. Price, per set \$2.10

HERCULES CLAMP ATTACHMENT.

75c

Used with any length bar. Will fit wood bar $1\frac{1}{2} \times \frac{1}{4}$ in. Set consists of one head-piece and one sliding jaw. With screws. Weight, about 4 pounds.

9R5575—Price, without bar, per set. 75c

\$2 60

10-Inch Sweep.

Frictionless roller bearings. Well made and nicely finished throughout.
SWEEP—High grade steel, $\frac{1}{2}$ inch in diameter.

HEAD—Select hardwood, steel clad to protect it from being split or bruised. It is attached to the sweep by means of a steel quill that revolves on roller bearings.

HANDLE—Select hardwood, babbitt metal bushings inserted in the end to prevent it from splitting. Revolves on patent adjustable tapered steel collars and bearings. By means of set screws any looseness from wear may be instantly taken up.

RATCHET—Simple in construction, easily operated, strong and durable. The ratchet teeth are cut on the end of the steel body that revolves in the socket attached to the sweep and are concealed and protected by this socket.

SLEEVE—Made of malleable iron, has knurled grip.

CHUCK—Has forged steel jaws. Takes regular square shank bits and round shank bits up to $\frac{1}{2}$ inch in diameter. Will take a large size expansive bit.

WRENCH—Made of malleable iron, has knurled grip.

WEIGHT—About 2 lbs.

PRICE—\$2.75

State size wanted.

9R5427

Sweep Wt. Abt. Ea.

8 in. 2 $\frac{1}{2}$ lbs. \$2.30

10 in. 2 $\frac{1}{2}$ lbs. 2.45

12 in. 3 lbs. 2.60

State size.

9R5426

Sweep Wt. Abt. Ea.

10 in. 2 $\frac{1}{2}$ lbs. \$1.85

12 in. 2 $\frac{1}{2}$ lbs. 1.95

State size.

9R5424

Each ... \$1.20

9R5425 Price, \$1.90

State size.

9R5432

Sweep 10 in. wt. abt. 2 $\frac{1}{2}$ lbs.

Price, \$3.40

Sweep 12 in. wt. abt. 3 $\frac{1}{2}$ lbs.

Price, \$3.55

Sweep 14 in. wt. abt. 3 $\frac{1}{2}$ lbs.

Price, \$3.70

State size.

9R5433

Wt. Sweep, 10 in. 2 $\frac{1}{2}$ lbs.

Price, 10 in. 3 $\frac{1}{2}$ lbs.

Weight, 10 in. 4 $\frac{1}{2}$ lbs.

Price, 10 in. 5 $\frac{1}{2}$ lbs.

Weight, 10 in. 6 $\frac{1}{2}$ lbs.

Price, 10 in. 7 $\frac{1}{2}$ lbs.

Weight, 10 in. 8 $\frac{1}{2}$ lbs.

Price, 10 in. 9 $\frac{1}{2}$ lbs.

Weight, 10 in. 10 $\frac{1}{2}$ lbs.

Price, 10 in. 11 $\frac{1}{2}$ lbs.

Weight, 10 in. 12 $\frac{1}{2}$ lbs.

Price, 10 in. 13 $\frac{1}{2}$ lbs.

Weight, 10 in. 14 $\frac{1}{2}$ lbs.

Price, 10 in. 15 $\frac{1}{2}$ lbs.

Weight, 10 in. 16 $\frac{1}{2}$ lbs.

Price, 10 in. 17 $\frac{1}{2}$ lbs.

Weight, 10 in. 18 $\frac{1}{2}$ lbs.

Price, 10 in. 19 $\frac{1}{2}$ lbs.

Weight, 10 in. 20 $\frac{1}{2}$ lbs.

Price, 10 in. 21 $\frac{1}{2}$ lbs.

Weight, 10 in. 22 $\frac{1}{2}$ lbs.

Price, 10 in. 23 $\frac{1}{2}$ lbs.

Weight, 10 in. 24 $\frac{1}{2}$ lbs.

Price, 10 in. 25 $\frac{1}{2}$ lbs.

Weight, 10 in. 26 $\frac{1}{2}$ lbs.

Price, 10 in. 27 $\frac{1}{2}$ lbs.

Weight, 10 in. 28 $\frac{1}{2}$ lbs.

Price, 10 in. 29 $\frac{1}{2}$ lbs.

Weight, 10 in. 30 $\frac{1}{2}$ lbs.

Price, 10 in. 31 $\frac{1}{2}$ lbs.

Weight, 10 in. 32 $\frac{1}{2}$ lbs.

Price, 10 in. 33 $\frac{1}{2}$ lbs.

Weight, 10 in. 34 $\frac{1}{2}$ lbs.

Price, 10 in. 35 $\frac{1}{2}$ lbs.

Weight, 10 in. 36 $\frac{1}{2}$ lbs.

Price, 10 in. 37 $\frac{1}{2}$ lbs.

Weight, 10 in. 38 $\frac{1}{2}$ lbs.

Price, 10 in. 39 $\frac{1}{2}$ lbs.

Weight, 10 in. 40 $\frac{1}{2}$ lbs.

Price, 10 in. 41 $\frac{1}{2}$ lbs.

Weight, 10 in. 42 $\frac{1}{2}$ lbs.

Price, 10 in. 43 $\frac{1}{2}$ lbs.

Weight, 10 in. 44 $\frac{1}{2}$ lbs.

Price, 10 in. 45 $\frac{1}{2}$ lbs.

Weight, 10 in. 46 $\frac{1}{2}$ lbs.

Price, 10 in. 47 $\frac{1}{2}$ lbs.

Weight, 10 in. 48 $\frac{1}{2}$ lbs.

Price, 10 in. 49 $\frac{1}{2}$ lbs.

Weight, 10 in. 50 $\frac{1}{2}$ lbs.

Price, 10 in. 51 $\frac{1}{2}$ lbs.

Weight, 10 in. 52 $\frac{1}{2}$ lbs.

Price, 10 in. 53 $\frac{1}{2}$ lbs.

Weight, 10 in. 54 $\frac{1}{2}$ lbs.

Price, 10 in. 55 $\frac{1}{2}$ lbs.

Weight, 10 in. 56 $\frac{1}{2}$ lbs.

Price, 10 in. 57 $\frac{1}{2}$ lbs.

Weight, 10 in. 58 $\frac{1}{2}$ lbs.

Price, 10 in. 59 $\frac{1}{2}$ lbs.

Weight, 10 in. 60 $\frac{1}{2}$ lbs.

Price, 10 in. 61 $\frac{1}{2}$ lbs.

Weight, 10 in. 62 $\frac{1}{2}$ lbs.

Price, 10 in. 63 $\frac{1}{2}$ lbs.

Weight, 10 in. 64 $\frac{1}{2}$ lbs.

Price, 10 in. 65 $\frac{1}{2}$ lbs.

Weight, 10 in. 66 $\frac{1}{2}$ lbs.

Price, 10 in. 67 $\frac{1}{2}$ lbs.

Weight, 10 in. 68 $\frac{1}{2}$ lbs.

Price, 10 in. 69 $\frac{1}{2}$ lbs.

Weight, 10 in. 70 $\frac{1}{2}$ lbs.

Price, 10 in. 71 $\frac{1}{2}$ lbs.

Weight, 10 in. 72 $\frac{1}{2}$ lbs.

Price, 10 in. 73 $\frac{1}{2}$ lbs.

Weight, 10 in. 74 $\frac{1}{2}$ lbs.

Price, 10 in. 75 $\frac{1}{2}$ lbs.

Weight, 10 in. 76 $\frac{1}{2}$ lbs.

Price, 10 in. 77 $\frac{1}{2}$ lbs.

Weight, 10 in. 78 $\frac{1}{2}$ lbs.

Price, 10 in. 79 $\frac{1}{2}$ lbs.

Weight, 10 in. 80 $\frac{1}{2}$ lbs.

Price, 10 in. 81 $\frac{1}{2}$ lbs.

Weight, 10 in. 82 $\frac{1}{2}$ lbs.

Price, 10 in. 83 $\frac{1}{2}$ lbs.

Weight, 10 in. 84 $\frac{1}{2}$ lbs.

Price, 10 in. 85 $\frac{1}{2}$ lbs.

Weight, 10 in. 86 $\frac{1}{2}$ lbs.

Price, 10 in. 87 $\frac{1}{2}$ lbs.

Weight, 10 in. 88 $\frac{1}{2}$ lbs.

Price, 10 in. 89 $\frac{1}{2}$ lbs.

Weight, 10 in. 90 $\frac{1}{2}$ lbs.

Price, 10 in. 91 $\frac{1}{2}$ lbs.

Weight, 10 in. 92 $\frac{1}{2}$ lbs.

Price, 10 in. 93 $\frac{1}{2}$ lbs.

Weight, 10 in. 94 $\frac{1}{2}$ lbs.

Price, 10 in. 95 $\frac{1}{2}$ lbs.

Weight, 10 in. 96 $\frac{1}{2}$ lbs.

Price, 10 in. 97 $\frac{1}{2}$ lbs.

Weight, 10 in. 98 $\frac{1}{2}$ lbs.

Price, 10 in. 99 $\frac{1}{2}$ lbs.

Weight, 10 in. 100 $\frac{1}{2}$ lbs.

Price, 10 in. 101 $\frac{1}{2}$ lbs.

Weight, 10 in. 102 $\frac{1}{2}$ lbs.

Price, 10 in. 103 $\frac{1}{2}$ lbs.

Weight, 10 in. 104 $\frac{1}{2}$ lbs.

Price, 10 in.

62c ^{1/2} in. Fulton Special Leather Tipped, Bevel Edge Socket Firmer Chisels. ^{1-1/2} in. 78c
HIGH QUALITY.



FULTON SPECIAL

POLISHED FINISH.

9R5189—High grade carefully finished chisels. Handles are selected hickory, tipped with leather. Fulton Special Chisels are guaranteed to give entire satisfaction. Note the complete sets of Fulton Special Chisels in hardwood boxes, shown below. Be sure to state size wanted.

Size, inches.	1/8	1/4	5/8	1/2	5/8	7/8	1	1 1/4	1 1/2	1 3/4	2
Wt., about, ounces.	4	5	6	7	8	11	12	16	20	24	20
Price	50c	54c	58c	62c	66c	70c	74c	78c	84c	90c	96c
	\$1.00										

\$5.10 SET OF 6 FULTON SPECIAL SOCKET FIRMER CHISELS.



One each size, 1/8, 1/4, 5/8, 1, 1 1/4 and 2 inches. In nicely finished hardwood box. Shipping weight, about 7 pounds.

99R5437—Price, per set. \$5.10

\$7.20 SET OF 9 FULTON SPECIAL SOCKET FIRMER CHISELS.



One each size, 1/8, 1/4, 5/8, 1, 1 1/4, 1 1/2 and 2 inches. In nicely finished hardwood box. Shipping weight, about 10 pounds.

99R5438—Price, per set. \$7.20

\$9.30 SET OF 12 FULTON SPECIAL SOCKET FIRMER CHISELS.



One each size, 1/8, 1/4, 5/8, 1, 1 1/4, 1 1/2, 1 3/4 and 2 inches. In nicely finished hardwood box. Shipping weight, about 13 pounds.

99R5439—Price, per set. \$9.30

FULTON SPECIAL SOCKET BUTT CHISELS. **88c**
Especially adapted for putting on hardware trim.



Made of tool steel, have bevel edges. Leather tipped hickory handles. Blades are about 3/8 inches to shoulder, permitting workman to get close to his work. Sockets are heavy and strong. State size wanted.

9R5187—Size, inches. 1/4, 5/8, 1/2, 1, 1 1/4, 1 1/2, 1 3/4, 2. Wt., abt. oz. 4, 5, 6, 6, 7, 8, 10, 12. Price, each. \$57c 60c 64c 68c 74c 81c 88c 95c \$1.00

SET OF 5 FULTON SPECIAL BUTT CHISELS.

One each size, 1, 1 1/4, 1 1/2, 1 3/4 and 2 inches. In nicely finished hardwood box. Weight, about 5 pounds.

9R5188—Price, per set. \$4.85

FULTON SOCKET CORNER CHISELS. **\$2.20** **1-in.**



9R5195—For working in corners of square mortises. Made of tool steel. Handle has iron ring on end. Size given is width of each face. State width.

3/4-inch. Weight, about 1 pound. Price. \$1.90

1-inch. Weight, about 1 1/2 pounds. Price. \$2.20

\$2.30 **FULTON RAZOR BLADE DRAWING KNIVES.**

10-in. Handles on Drawing Knives have tangs extending through. Will not pull off.



Forged steel. Tempered to cut and hold an edge. State length.

9R5225—Length, inches. 8, 10, 12. Wt., abt. lbs. 1 1/2, 2, 2. Price. \$1.85 \$2.30 \$2.60

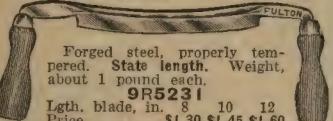
\$2.10 **SHINGLE DRAWING KNIFE.**



Made especially for shingles, shaving poles and heavy work in general. Forged steel, properly tempered. Length blade, 14 inches. Weight, about 2 pounds.

9R5227—Price. \$2.10

COACH MAKERS' FULTON NARROW BLADE DRAWING KNIVES. **\$1.30** **8-inch.**



Forged steel, properly tempered. State length. Weight, about 1 pound each.

9R5231—Lgth. blade, in. 8, 10, 12. Price. \$1.30 \$1.45 \$1.60

ADJUSTABLE DOUBLE CUTTER SPOKESHAVE. **40c**



1 1/4-in. hol. low and 1 3/4-in. straight cutters. Length, 10 inches. Weight, about 8 ounces.

9R5340—Price. \$40c

80c **CHISEL GAUGE AND GRINDER.**



Holds chisels and plane irons up to 2 1/2 inches wide at correct angle for grinding. Wt., about 1 1/2 lbs.

9R5210—Price. \$80c

Standard Boring Machine.

A strong, well made machine that bores fast and gives good service. Wood parts are made of seasoned hardwood, gears and frame of gray iron with rule graduation on frame. Chuck takes boring machine auger with 1/2-inch shank. Adjustable to bore at any angle. Shipping weight, about 40 pounds.

9R5485

Price, without augers. **\$5.20**

\$5.20



FULTON SPECIAL BORING MACHINE AUGERS.

7
and
1/2 inch in diameter. State size. **9R5412**

Size, inches.	1/8	3/16	1/4	5/16	3/8	7/16	1/2	9/16	5/8	11/16	3/4
Weight, about, lbs.	1/2	3/4	1	1 1/2	2	2 1/2	3	3 1/2	4	4 1/2	5
Price, each.	70c	85c	1	1 1/4	1 1/2	1 3/4	2	2 1/2	3	3 1/2	4
Size, inches.	1 1/2	1 3/4	2	2 1/2	3	3 1/2	4	4 1/2	5	5 1/2	6
Weight, about, pounds.	1	1	1	1	1	1	1	1	1	1	1
Price, each.	\$1.45	\$1.75	\$1.75	\$1.75	\$1.75	\$1.75	\$1.75	\$1.75	\$1.75	\$1.75	\$1.75

FULTON PLAIN EDGE SOCKET FIRMER CHISELS. **9R5411**

Same grade material as our Fulton Special Chisels, these have plain edges. State size. **9R5411**

Size, inch.	1/8	3/16	1/4	5/16	3/8	7/16	1/2	9/16	5/8	11/16	3/4
Weight, about.	5 oz.	5 oz.	5 oz.	6 oz.	6 oz.	7 oz.	7 oz.	7 oz.	7 oz.	7 oz.	7 oz.
Price.	40c	43c	46c	49c	52c						
Size, inches.	1	1 1/4	1 1/2	1 3/4	2						
Weight, about, lbs.	10 oz.	11 oz.	13 oz.	15 oz.	14 oz.						
Price.	60c	65c	71c	77c	83c						

FULTON

SET OF 6 FULTON SOCKET FIRMER CHISELS. One each size, 1/8, 1/4, 5/8, 1, 1 1/4, 1 1/2 and 2 inches. In nicely finished hardwood box. Shipping wt., about 8 lbs.

9R5430—Price, per set.

SET OF 9 FULTON SOCKET FIRMER CHISELS. One each size, 1/8, 1/4, 5/8, 1, 1 1/4, 1 1/2, 1 3/4 and 2 inches. In nicely finished hardwood box. Shipping wt., about 10 lbs.

9R5431—Price, per set.

ODD JOB CHISEL SET. **60c**

Set consists of three chisels, one each, 1/8, 1/4 and 1 inch. Just the thing for the odd job about the house. Weight, about 11 ounces.

9R5185—Price, per set. **60c**

HICKORY SOCKET FIRMER CHISEL SET. **3c and Up. HANDLES.** **9R5200**

Leather tipped handles, each, about 2 oz. Size. Small Medium Large Extra. Chisel, in. 1/8 to 1/2 1/2 to 1 1/2 to 2 1/2. Price, each. 3c 4c 5c

3c and HICKORY SOCKET FRAMING CHISEL HANDLES.

With iron rings on end. Weight, each, about 3 ounces.

9R5200—Size. Small Medium Large Extra. Chisel, inches. 1/8 to 1/2 1/2 to 1 1/2 to 2 1/2. Price, each. 3c 4c 5c

WOODEN MALLETS. **85c** **9R5201**

Lignum Vitae head, about 2 lbs. Price, each. 1 1/2 lb.

9R5206—Selected hickory; head 2 1/2x3 1/4 inches. Wt., about 2 lbs. Price, each. 1 1/2 lb.

VULCANIZED FIBER HEAD MALLETS. **90c** **9R5207**

Heads vulcanized fiber. Body wood. Die sealed. Bands are riveted to body tapering on the inside.

Face, about, inches. 2 1/2. Weight, about, pounds. 2

9R5208—Price. \$90c

HIGH GRADE HOLLOW HANDLE SET.

Includes eleven tools as illustrated connected within one long handle. Ten small tools measure about 4 in. key hole saw about 7 in. and handle abt. 7 1/2 in. Wt., abt. 1 lb.

9R5458—Price. \$1.75

ALL METAL HOLLOW HANDLE SET.

Tools illustrated connected within one long handle. Tools measure about 4 in. Wt., abt. 1 lb.

9R5461—Price. \$1.75

\$48.75 OUR CARPENTERS' SPECIAL TOOL SET



Every Tool Necessary to Do All Kinds of Carpenter or Cabinet Work. Nothing Unnecessary. Each piece of our "Carpenters' Special" Tool Set has been carefully selected for its utility from our regular stock of high grade tools, making this a most complete and serviceable tool set. Shipping weight, about 110 pounds.

9R5365—Our "Carpenters' Special" Tool Set, complete as illustrated in substantial hardwood chest. Price. \$48.75

ADJUSTABLE "S" WRENCHES.

85c 8-Inch



9R5823

Size, inches...	6	8	10	12	14
Opens, abt., in.	¾	1	1½	1¾	2
Wt., about, lbs.	½	1	1¼	3	5
Price	70c	85c	\$1.05	\$1.30	\$1.70

DROP FORGED WRENCH. 92c 8-Inch



9R5822

Size, inches.....	6	8	10	12
Opens, about in.	5½	7	1	1½
Weight, about, lbs.	½	¾	1¼	1½
Price	74c	92c	\$1.20	\$1.45

"AUTO" MODEL ADJUSTABLE WRENCH.



9R5826—Price 46c



9R5829—Price 64c



9R5827

Length, Inches	Takes Pipe Rods	Wt., Abt.,	Price
5	From ¼ to ¾	½	30c
6½	From ¼ to 1½	1	45c
9½	From ¼ to 1½	2	65c
11	From ¼ to 1¾	3	95c

99R5425—Price, per set \$2.85



Socket Wrench Set. \$285



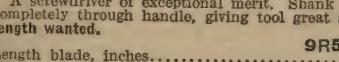
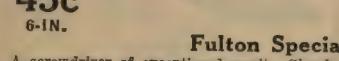
Reversible Ratchet Socket Wrench Set. \$185



Very convenient for use in tightening up the rods on a silo and also a handy general utility wrench set for use in places where a ratchet wrench is needed. Set includes 3 square and 3 hexagonal sockets with 11-inch handle. Weight, about 4 pounds.

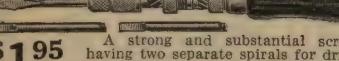
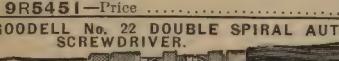
9R5824—Price \$1.85

NOTE—For Pipe Wrenches See Page 1093.



A well known screwdriver of exceptional merit. Spiral and ratchet works either right or left hand. Setting shifter knob at star marked on ferrule makes blade rigid with handle. Hardwood handle and three steel blades. Length, extended about 18½ in. Weight, about 1½ pounds.

9R5451—Price \$2.20



A strong and substantial screwdriver, having two separate spirals for driving and drawing screws. Can also be set rigid and used as an automatic screwdriver. Hardwood handle and three steel blades. Length, extended, 16½ inches. Weight, about 1 pound.

9R5450—Price \$1.95



A good moderate priced automatic screwdriver which can be used as a spiral or plain screwdriver. Furnished with hardwood handle and three steel blades. Length, extended, about 14½ inches. Weight, about 10 ounces.

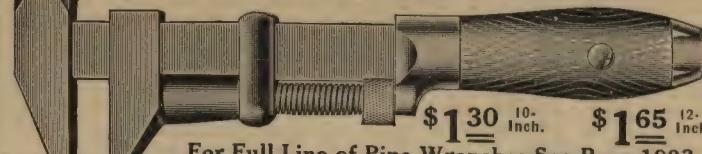
9R5449—Price \$1.20



A good moderate priced automatic screwdriver which can be used as a spiral or plain screwdriver. Furnished with hardwood handle and three steel blades. Length, extended, about 14½ inches. Weight, about 10 ounces.

9R5449—Price \$0.90

COES KNIFE HANDLE MONKEY WRENCHES.



For Full Line of Pipe Wrenches See Page 1093.

Coes standard dependable wrenches at money saving prices on every size. Used by high grade workmen everywhere and fully guaranteed by us. State size wanted.

9R5820

Size, 6 in. Opens, about 1½ in. Wt., about 12 pounds. Price, 90c

Size, 8 in. Opens, about 1¾ in. Wt., about 12½ pounds. Price, \$1.10

Size, 10 in. Opens, about 2 in. Wt., about 14½ pounds. Price, \$1.30

Size, 12 in. Opens, about 2½ in. Wt., about 17½ pounds. Price, \$1.65

Size, 15 in. Opens, about 3 in. Wt., about 20½ pounds. Price, \$2.25

Size, 18 in. Opens, about 3½ in. Wt., about 23½ pounds. Price, \$2.95

Size, 21 in. Opens, about 4 in. Wt., about 27½ pounds. Price, \$3.65

For use on hexagon or square nuts. Has angle head that makes it handy for use about machinery and in other close places. State size wanted.

9R5822

Size, inches.....	6	8	10	12
Opens, about in.	5½	7	1	1½
Weight, about, lbs.	½	¾	1¼	1½
Price	74c	92c	\$1.20	\$1.45

"AUTO" MODEL ADJUSTABLE WRENCH.



9R5826—Price 46c



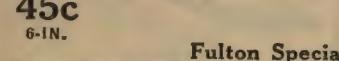
9R5829—Price 64c



9R5827

Length, Inches	Takes Pipe Rods	Wt., Abt.,	Price
5	From ¼ to ¾	½	30c
6½	From ¼ to 1½	1	45c
9½	From ¼ to 1½	2	65c
11	From ¼ to 1¾	3	95c

99R5425—Price, per set \$2.85



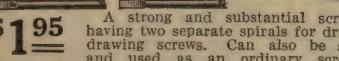
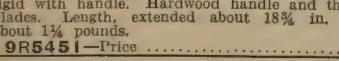
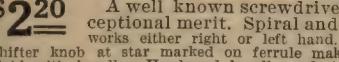
Reversible Ratchet Socket Wrench Set. \$185



Very convenient for use in tightening up the rods on a silo and also a handy general utility wrench set for use in places where a ratchet wrench is needed. Set includes 3 square and 3 hexagonal sockets with 11-inch handle. Weight, about 4 pounds.

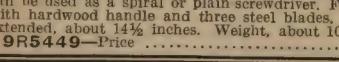
9R5824—Price \$1.85

NOTE—For Pipe Wrenches See Page 1093.



A well known screwdriver of exceptional merit. Spiral and ratchet works either right or left hand. Setting shifter knob at star marked on ferrule makes blade rigid with handle. Hardwood handle and three steel blades. Length, extended about 18½ in. Weight, about 1½ pounds.

9R5451—Price \$2.20



A strong and substantial screwdriver, having two separate spirals for driving and drawing screws. Can also be set rigid and used as an automatic screwdriver. Hardwood handle and three steel blades. Length, extended, 16½ inches. Weight, about 1 pound.

9R5450—Price \$1.95

A good moderate priced automatic screwdriver which can be used as a spiral or plain screwdriver. Furnished with hardwood handle and three steel blades. Length, extended, about 14½ inches. Weight, about 10 ounces.

9R5449—Price \$0.90

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A good moderate priced automatic screwdriver which can be used as a spiral or plain screwdriver. Furnished with hardwood handle and three steel blades. Length, extended, about 14½ inches. Weight, about 10 ounces.

Fulton Pliers and Wire Cutters.
(Improved Button Pattern.)



55c 70c 85c
According to Size.

Give length.
These Fulton Pliers, in addition to having all other advantages of this pattern, can also be used for holding pipe or rods. They have great leverage and a shear cut and will take heavy wire. An excellent plier for fence builders, and are also very handy for use about the home or barn. Made of steel, properly tempered. Fully guaranteed.

Length, inches..... 6 8 10
Weight, about, pounds.... $\frac{1}{2}$ $\frac{3}{4}$ $1\frac{1}{4}$
Price, per pair..... 55c 70c 85c

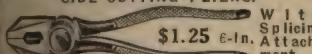
FULTON KLEIN PATTERN SIDE CUTTING PLIERS.



Forged steel, care-
fully tem-
pered.
Give length.

9R5837 Length, inches..... 6 7 8
Wt., about, lbs.... $\frac{1}{2}$ $\frac{1}{2}$ 1
Price, per pair..... \$1.15 \$1.35 \$1.60

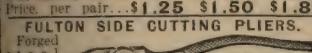
LINEMEN'S FULTON KLEIN PATTERN SIDE CUTTING PLIERS.



With Splicing
ment.
Lap joint, raised cutters. High grade
pliers. Give length.

9R5840 Length, inches..... 6 7 8
Wt., about, oz.... 6 8 12
Price, per pair..... \$1.25 \$1.50 \$1.80

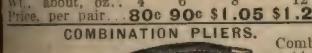
FULTON SIDE CUTTING PLIERS.



Forged steel
with
raised
cutters. Give length.

9R5839 Length, in... 5 6 7 8
Wt., about, oz... 4 6 8 12
Price, per pair... 80c 90c \$1.05 \$1.20

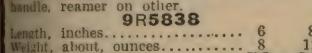
COMBINATION PLIERS.



Combina-
tion
Gas &
Wire
and Side
Cutting
Pliers. Give length.

9R5838 Length, inches..... 6 8
Weight, about, ounces.... 8 12
Price, per pair..... 70c 85c

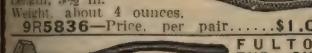
LONG CHAIN NOSE LAP JOINT SIDE CUTTING PLIERS.



Forged steel.
Guaranteed.
Length, $\frac{3}{2}$ in.
Weight, about 4 ounces.

9R5836—Price, per pair..... \$1.05

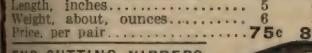
FULTON END CUTTING NIPERS.



89c 6-in. PERS.
Lap joint,
forged steel.
Give length.

9R5834 Length, inches..... 5 6
Weight, about, ounces.... 6 8
Price, per pair..... 75c 89c

END CUTTING NIPPERS.



Made of steel,
with tempered
jaws. Cuts all
kinds of soft
wire, etc. Tended
for piano wire.
Length, $\frac{1}{2}$ inches.
Weight, about 8 ounces.

9R5835 Price, per pair..... 59c

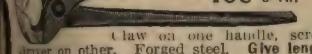
FULTON CARPENTERS' PINCHERS.



40c 8-in.
Claw on one handle, screw-
driver on other. Forged steel. Give length.

9R5833 Length, inches..... 8 10 12
Weight, about, pounds.... $\frac{1}{2}$ $\frac{3}{4}$ $1\frac{1}{4}$
Price, per pair..... 30c 40c 50c 60c

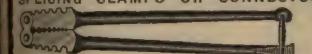
SPlicing CLAMPS OR CONNECTORS.



Smooth jaws. Length, about 10 $\frac{1}{2}$ inches, for Nos. 8, 10, 12, 14 \$1.95
iron wire, Nos. 4, 6, 8, 10, 12, 14 copper
jaws, for Nos. 8, 10, 12, 14 McIntyre
sheets. Weight, about 1 $\frac{1}{4}$ pounds.

9R5844—Price, per pair..... \$1.95

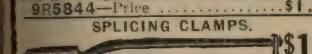
SPlicing CLAMPS.



\$1.20
Linemen's Splicing Clamps. Length, 10 $\frac{1}{2}$ inches, for Nos. 8, 10, 12 and 14 wire.
Weight, 1 $\frac{1}{4}$ pounds.

9R5843—Price, per pair..... \$1.20

NEVERSLIP WIRE GRIP.



The more you pull the tighter it gets. When attached to a hand-spike it makes a splendid stretcher. Equipped with swivel.

Weight, about 1 pound.

9R5845—Price, per pair..... 33c

FULTON HANDY PLIERS.



25c 35c 45c
According to Size.

Wire cutter and plier. Will hold on flat, square or round surfaces. Forged steel, properly tempered. The 6-inch pliers will hold up to $\frac{3}{4}$ -inch pipe; 8-inch and 10-inch will hold up to 1-inch pipe. Give length.

9R5832 Length, about 6 inches. Weight, about 8 oz. 25c
Length, about 8 inches. Wt., about 12 ounces. 35c
Price, per pair..... 25c Price, per pair..... 35c
Price, per pair..... 45c
THESE PLIERS ARE DROP FORGED AND VARY A TRIFLE IN LENGTH.

14c FULTON GUARANTEED FILES. Made of crucible steel, hardened and tempered. Cut fast and last a long time. Thousands of mill men, machinists and professional fliers will use no other. Be sure to give length.

19c and up. THE KIND THAT CUTS.

FULTON MILL FILES—THE KIND TO BUY. FULTON MILL FILES WITH ONE ROUND EDGE.

9R5704

Size, inches..... 6 8 10 12 14 16
Wt., each, abt., lbs. $\frac{1}{4}$ $\frac{1}{4}$ $\frac{1}{2}$ $\frac{3}{4}$ $1\frac{1}{4}$ 2
Price, each..... 14c 17c 23c 29c 43c 60c

FULTON DOUBLE END TAPER FILES.

9R5698

Size, inches..... 6 8 9 10
Weight, each, about, oz.... 2 2 4 4
Price, each..... 15c 17c 19c 21c

FULTON TAPER FILES.

9R5699—Regular Taper.

Size, inches..... 6 8 9 10
Weight, each, abt., lbs. $\frac{1}{4}$ $\frac{1}{4}$ $\frac{1}{2}$ $\frac{3}{4}$
Price, each..... 10c 15c 20c 25c

FULTON SLIM TAPER FILES.

9R5700—Slim Taper.

Size, inches..... 6 8 9 10
Weight, each, abt., lbs. $\frac{1}{4}$ $\frac{1}{4}$ $\frac{1}{2}$ $\frac{3}{4}$
Price, each..... 9R5700—Slim Taper.
9R5699—Regular Taper.

FULTON ASSORTED NEEDLE FILES.

9R5709

Size, inches..... 8 10 12 14
Wt., each, about, lbs. $\frac{1}{4}$ $\frac{1}{4}$ $\frac{1}{2}$ $\frac{3}{4}$
Price, each..... 43c 59c 76c 98c

21c FULTON AUGER BIT FILE.

Files all sizes of auger bits without filing the screw and lip. Weight, each, about 1 oz. 21c

9R5710—Price, each..... 21c

9R5711—Price, per dozen, assorted as above..... \$1.90

POSITIVE GRIP FILE HANDLE.

9R5701—Extra Slim Taper. and up.
9R5702—Positive Grip File Handle. Cannot split
the screw or pull away
No. 3 File cannot turn in handle. Steel ferrule, which also forms a cap over end of handle, is slotted to receive the file and is rigidly fastened to wood handle. State size.

9R5703—For Size File

No. 1, 3 to 4 in. Wt., abt. 2 oz. Price, ... 6c
No. 2, 5 to 6 in. Wt., abt. 4 oz. Price, ... 7c
No. 3, 7 to 8 in. Wt., abt. 4 oz. Price, ... 8c
No. 4, 10 to 12 in. Wt., abt. 6 oz. Price, ... 9c
No. 5, 14 to 16 in. Wt., abt. 6 oz. Price, ... 10c

INTERCHANGEABLE FILE AND TOOL HANDLE.

9R5707—Made of iron, 5 inches long. Holds any square, round or flat shank tool with any shank less than $\frac{3}{8}$ inch. Weight, about 4 oz. 8c

9R5696—Price 8c

STEEL WIRE FILE CLEANER.

9R5697—Steel wire brushes. Weight, about 2 ounces. 11c

FULTON HACK SAW BLADES.

60c DOZ. 8-in. FULTON Special Hack Saw Blades are especially recommended for general use. Made of high carbon steel tempered hard all over, with medium teeth (14-16 to the inch). Will do fast work, making a clean, free cut and will prove exceptionally durable in use. We have sold thousands of dozens of these high grade blades with entire satisfaction to our customers and they are fully guaranteed. Give length.

9R5018—Length, inches.....

Weight, dozen, about, ounces.....

Price, per dozen.....

Fulton Hack Saw Blades, 16 Teeth to Inch.

Made from high carbon steel, soft on the back, with highly tempered teeth. Preferred by many. 9R5017

Length, inches..... 8 9 10 12
Wt., doz., abt., oz.... 6 6 8 8
Price, per dozen..... 52c 60c 68c 76c

ALL HACK SAW BLADES ARE PUT UP ONE DOZEN IN A PACKAGE.

WE DO NOT SELL LESS THAN A FULL PACKAGE.

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9R5018—Length, inches.....

Weight, dozen, about, ounces.....

Price, per dozen.....

Fulton Hack Saw Blades, 24 Teeth to Inch.

For cutting brass, drill rods, black pipe, tubing and similar work. Soft on the back, with highly tempered teeth. 9R5016

Length, inches..... 8 9 10 12
Wt., doz., abt., oz.... 6 6 8 8
Price, per dozen..... 52c 60c 68c 76c

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Price, per dozen.....

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9R5018—Length, inches.....

BLACKSMITHS' HIGH GRADE POST DRILLS

Blacksmiths' Hand Feed Post Drill.

\$6.95

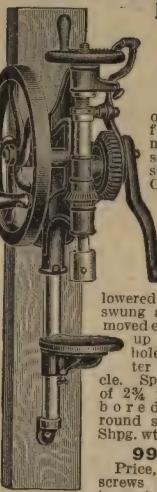


A substantial drill. Upright column and feed screws are made of steel. Has long bearings, which insure easy running. Crank is adjustable. Drill table can be raised or lowered, swung around or removed entirely. Drills holes up to $\frac{3}{8}$ inch and to center of 12-inch circle. Drill spindle is made of 1-inch steel, bored for $\frac{1}{2}$ -inch round shank drill bits. Has up and down run of 2 $\frac{1}{2}$ inches. Shipping weight, about 60 pounds.

99R5076—Price, with lag screws for fastening to post....\$6.95

Acme Two-Speed Self Feed Post Drill.

\$10.40



Bearings are of steel. Self feed attachment can be set fast or slow, or stopped entirely. Crank is adjustable to long or short turn. Drill table can be raised or lowered 9 $\frac{1}{2}$ inches, swung around or removed entirely. Drills up to $\frac{3}{8}$ -inch holes and to center of 12-inch circle. Spindle has run of 2 $\frac{1}{2}$ inches and is bored for $\frac{1}{2}$ -inch round shank drill bits. Has up and down run of 10 $\frac{1}{2}$ inches. Shipping weight, about 90 lbs.

99R5077—Price, with lag screws for fastening to post....\$10.40

Blacksmiths' Acme Special Two-Speed Self Feed Post Drill.

\$13.35



Lowered 9 $\frac{1}{2}$ inches, swung around or removed entirely. Drills up to $\frac{3}{8}$ -inch holes and to center of 12-inch circle. Spindle has run of 3 inches and is bored for $\frac{1}{2}$ -inch round shank drills. Drills up to 1 $\frac{1}{4}$ -inch holes and to center of 15-inch circle. Shipping wt., about 120 lbs.

99R5078—Price, with lag screws for fastening to post....\$13.35

Blacksmiths' Acme Ball Bearing Two-Speed Self Feed Third Gear Post Drill.

EASY RUNNING.
STRONGLY MADE OF HIGH GRADE MATERIAL.

Made extra strong at points of greatest strain. For general blacksmith and repair shops.

DESCRIPTION.
Bearings are made of die steel. Make running easy and double the life of the drill.

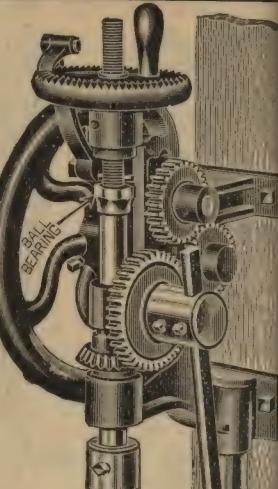
Self feed attachment can be set to a fast or low speed.

Improved third gear enables the operator to change to a fast or slow speed by simply changing the crank from one shaft to another on the same side of the machine.

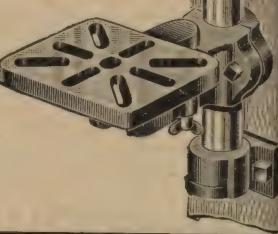
Drill table is extra heavy, can be raised or lowered 11 inches, swung around or removed entirely.

Shaft and spindle are made of high grade steel. Drills up to 1 $\frac{1}{4}$ -inch holes and to center of 14 $\frac{1}{2}$ -inch circle. Has up and down run of 3 $\frac{1}{2}$ inches and is bored for $\frac{1}{2}$ -inch round shank drills. Shipping wt., about 120 pounds.

99R5079—Price, with lag screws for fastening to post....\$13.35



\$13.95



Acme Special Drill.
For Hand or Power.



\$14.85

Same as our 99R5078, but with 8 $\frac{1}{2}$ -inch tight and loose pulleys. Has both flywheel and crank. Spindle has up and down run of 3 inches. Table has up and down run of 10 $\frac{1}{2}$ inches. Drills up to 1 $\frac{1}{4}$ -inch holes and to center of 15-inch circle. Taken $\frac{1}{2}$ -inch round shank bits. Drills to center of 19-inch circle and drills up to 1 $\frac{1}{2}$ -inch holes. Spindle has run of 4 inches, table 11 $\frac{1}{2}$ inches.

99R5083—For hand and belt power, with tight and loose pulleys, 8 $\frac{1}{2}$ -inch. Drill should be run at about 200 revolutions per minute. Shpg. wt., about 140 pounds.

99R5082—Same as above, but without flywheel. For power use only. Shipping weight, about 120 lbs.

Price, with lag screws for fastening to post....\$14.85

Acme Two-Speed Self Feed Ball Bearing Drill.

For Hand or Power.



\$27.00

Blacksmiths' high quality drill. Single ball bearing at top of drill spindle receives pressure and reduces friction. Has a safety chuck that takes $\frac{1}{2}$ -inch round shank bits. Drills to center of 19-inch circle and drills up to 1 $\frac{1}{2}$ -inch holes. Spindle has run of 4 inches, table 11 $\frac{1}{2}$ inches.

99R5085—For hand and belt power, with tight and loose pulleys, 8 $\frac{1}{2}$ -inch. Drill should be run at about 200 revolutions per minute. Shipping weight, about 190 pounds.

99R5084—For hand power only. Shipping wt., about 180 pounds.

99R5084—For hand power only. Shipping wt., about 180 pounds. Price, with lag screws for fastening to post....\$24.00

Positive Grip Chucks.



Furnished on all our post drills except 99R5084 and 99R5085. Top screw has flat face and can be adjusted to fit drill bits made by different manufacturers, and prevents bit from turning in chuck. Lower set screw keeps bit from dropping out.

Goodell-Pratt Drill Chucks.

\$265 Steel jaws and sleeve. Will fit blacksmiths' drills which are $\frac{1}{2}$ -inch bored for $\frac{1}{2}$ -inch shank.

99R5651—Holds drills with $\frac{3}{8}$ -inch and smaller straight shanks. Wt., about 10 oz. Price, each....\$1.95

99R5652—Holds drills with $\frac{3}{8}$ -inch and smaller straight shanks. Wt., abt. 1 lb. Price, each....\$2.65

Goodell's Extra Large High Grade Hand Drill.

\$3.60

Has double gears, cut teeth, two speeds and a three-jawed chuck. Takes drills up to $\frac{3}{8}$ inch. Frame is malleable iron. Head is hollow, with screw cap. Length, 14 $\frac{1}{2}$ inches. No drift points furnished.

99R5606—Weight, 2 $\frac{1}{2}$ pounds. Price....\$3.60

99R5609—Set of Eight Drill Points to fit 99R5606, 99R5604 and 99R5605 Hand Drills. Assorted sizes.

\$1.20 Goodell's Automatic Hand Drill.



\$1.80 Goodell's High Grade Automatic Hand Drill.



Drill points are kept in low handle. Price includes eight drill points, $\frac{1}{16}$ to $\frac{1}{4}$ inch. Length, 9 $\frac{1}{2}$ inches. Weight, about 8 ounces.

99R5601—Price....\$1.80

99R5602—Extra Drill Points to fit 99R5606 and 99R5601 Drills. Weight, about 1 ounce. Price, per set of eight, assorted $\frac{1}{16}$ to $\frac{1}{4}$ inch....\$1.80

99R5603—Set of Eight Drill Points to fit 99R5606, 99R5604 and 99R5605 Hand Drills. Assorted sizes.

99R5604—Weight, about 1 ounce. Price....\$1.80

99R5605—Weight, 1 $\frac{1}{4}$ lbs. Price....\$2.40

99R5606—Weight, 2 $\frac{1}{2}$ lbs. Price....\$3.60

99R5607—Weight, 4 lbs. Price....\$5.15

99R5608—Weight, 6 lbs. Price....\$7.20

99R5609—Weight, 8 lbs. Price....\$9.00

99R5610—Weight, 10 lbs. Price....\$11.00

99R5611—Weight, 12 lbs. Price....\$13.00

99R5612—Weight, 14 lbs. Price....\$15.00

99R5613—Weight, 16 lbs. Price....\$17.00

99R5614—Weight, 18 lbs. Price....\$19.00

99R5615—Weight, 20 lbs. Price....\$21.00

99R5616—Weight, 22 lbs. Price....\$23.00

99R5617—Weight, 24 lbs. Price....\$25.00

99R5618—Weight, 26 lbs. Price....\$27.00

99R5619—Weight, 28 lbs. Price....\$29.00

99R5620—Weight, 30 lbs. Price....\$31.00

99R5621—Weight, 32 lbs. Price....\$33.00

99R5622—Weight, 34 lbs. Price....\$35.00

99R5623—Weight, 36 lbs. Price....\$37.00

99R5624—Weight, 38 lbs. Price....\$39.00

99R5625—Weight, 40 lbs. Price....\$41.00

99R5626—Weight, 42 lbs. Price....\$43.00

99R5627—Weight, 44 lbs. Price....\$45.00

99R5628—Weight, 46 lbs. Price....\$47.00

99R5629—Weight, 48 lbs. Price....\$49.00

99R5630—Weight, 50 lbs. Price....\$51.00

99R5631—Weight, 52 lbs. Price....\$53.00

99R5632—Weight, 54 lbs. Price....\$55.00

99R5633—Weight, 56 lbs. Price....\$57.00

99R5634—Weight, 58 lbs. Price....\$59.00

99R5635—Weight, 60 lbs. Price....\$61.00

99R5636—Weight, 62 lbs. Price....\$63.00

99R5637—Weight, 64 lbs. Price....\$65.00

99R5638—Weight, 66 lbs. Price....\$67.00

99R5639—Weight, 68 lbs. Price....\$69.00

99R5640—Weight, 70 lbs. Price....\$71.00

99R5641—Weight, 72 lbs. Price....\$73.00

99R5642—Weight, 74 lbs. Price....\$75.00

99R5643—Weight, 76 lbs. Price....\$77.00

99R5644—Weight, 78 lbs. Price....\$79.00

99R5645—Weight, 80 lbs. Price....\$81.00

99R5646—Weight, 82 lbs. Price....\$83.00

99R5647—Weight, 84 lbs. Price....\$85.00

99R5648—Weight, 86 lbs. Price....\$87.00

99R5649—Weight, 88 lbs. Price....\$89.00

99R5650—Weight, 90 lbs. Price....\$91.00

99R5651—Weight, 92 lbs. Price....\$93.00

99R5652—Weight, 94 lbs. Price....\$95.00

99R5653—Weight, 96 lbs. Price....\$97.00

99R5654—Weight, 98 lbs. Price....\$99.00

99R5655—Weight, 100 lbs. Price....\$101.00

99R5656—Weight, 102 lbs. Price....\$103.00

99R5657—Weight, 104 lbs. Price....\$105.00

99R5658—Weight, 106 lbs. Price....\$107.00

99R5659—Weight, 108 lbs. Price....\$109.00

99R5660—Weight, 110 lbs. Price....\$111.00

99R5661—Weight, 112 lbs. Price....\$113.00

99R5662—Weight, 114 lbs. Price....\$115.00

99R5663—Weight, 116 lbs. Price....\$117.00

99R5664—Weight, 118 lbs. Price....\$119.00

99R5665—Weight, 120 lbs. Price....\$121.00

99R5666—Weight, 122 lbs. Price....\$123.00

99R5667—Weight, 124 lbs. Price....\$125.00

99R5668—Weight, 126 lbs. Price....\$127.00

99R5669—Weight, 128 lbs. Price....\$129.00

99R5670—Weight, 130 lbs. Price....\$131.00

99R5671—Weight, 132 lbs. Price....\$133.00

99R5672—Weight, 134 lbs. Price....\$135.00

99R5673—Weight, 136 lbs. Price....\$137.00

99R5674—Weight, 138 lbs. Price....\$139.00

99R5675—Weight, 140 lbs. Price....\$141.00

99R5676—Weight, 142 lbs. Price....\$143.00

99R5677—Weight, 144 lbs. Price....\$145.00

99R5678—Weight, 146 lbs. Price....\$147.00

99R5679—Weight, 148 lbs. Price....\$149.00

99R5680—Weight, 150 lbs. Price....\$151.00

99R5681—Weight, 152 lbs. Price....\$153.00

99R5682—Weight, 154 lbs. Price....\$155.00

99R5683—Weight, 156 lbs. Price....\$157.00

99R5684—Weight, 158 lbs. Price....\$159.00

99R5685—Weight, 160 lbs. Price....\$161.00

99R5686—Weight, 162 lbs. Price....\$163.00

99R5687—Weight, 164 lbs. Price....\$165.00

99R5688—Weight, 166 lbs. Price....\$167.00

99R5689—Weight, 168 lbs. Price....\$169.00

99R5690—Weight, 170 lbs. Price....\$171.00

99R5691—Weight, 172 lbs. Price....\$173.00

99R5692—Weight, 174 lbs. Price....\$175.00

99R5693—Weight, 176 lbs. Price....\$177.00

99R5694—Weight, 178 lbs. Price....\$179.00

99R5695—Weight, 180 lbs. Price....\$181.00

99R5696—Weight, 182 lbs. Price....\$183.00

99R5697—Weight, 184 lbs. Price....\$185.00

99R5698—Weight, 186 lbs. Price....\$187.00

99R5699—Weight, 188 lbs. Price....\$189.00

99R5700—Weight, 190 lbs. Price....\$191.00

99R5701—Weight, 192 lbs. Price....\$193.00

99R5702—Weight, 194 lbs. Price....\$195.00

99R5703—Weight, 196 lbs. Price....\$197.00

99R5704—Weight, 198 lbs. Price....\$199.00

99R5705—Weight, 200 lbs. Price....\$201.00

99R5706—Weight, 202 lbs. Price....\$203.00

99R5707—Weight, 204 lbs. Price....\$205.00

99R5708—Weight, 206 lbs. Price....\$207.00

99R5709—Weight, 208 lbs. Price....\$209.00

99R5710—Weight, 210 lbs. Price....\$211.00

99R5711—Weight, 212 lbs. Price....\$213.00

99R5712—Weight, 214 lbs. Price....\$215.00

99R5713—Weight, 216 lbs. Price....\$217.00

99R5714—Weight, 218 lbs. Price....\$219.00

99R5715—Weight, 220 lbs. Price....\$221.00

99R5716—Weight, 222 lbs. Price....\$223.00

99R5717—Weight, 224 lbs. Price....\$225.00

99R5718—Weight, 226 lbs. Price....\$227.00

99R5719—Weight, 228 lbs. Price....\$229.00

99R5720—Weight, 230 lbs. Price....\$231.00

99R5721—Weight, 232 lbs. Price....\$233.00

99R5722—Weight, 234 lbs. Price....\$235.00

99R5723—Weight, 236 lbs. Price....\$237.00

99R5724—Weight, 238 lbs. Price....\$239.00

99R5725—Weight, 240 lbs. Price....\$241.00

99R5726—Weight, 242 lbs. Price....\$243.00

99R5727—Weight, 244

Ball Bearing Chain Drills.
Will put holes into iron, brass or other hard metals with little effort. Easy to operate. Fit any bit brace. Furnished with three feet of chain.



\$2.95

Goodell-
Pratt
Auto-
matic.
Has an
entirely
auto-
matic
feed; the
entire
thrust
has its friction reduced by ball bearings, has a chuck for holding stock drills with stock shanks. Wt., about 3 pounds. **9R5617**
Price \$2.95

\$2.45

Goodell-
Pratt
Auto-
matic.
Has an
entirely
auto-
matic
feed; the
entire
thrust
has its friction reduced by ball bearings, has a chuck for holding stock drills with stock shanks. Wt., about 3 pounds. **9R5616**
Price \$2.45

\$2.10

Mar-
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style
D
has ex-
tra long
combi-
nation
chuck
which
holds
standard
1/4-
inch round shank
drills and all sizes
square taper shank
or bit stock drills. Drills
Wt., about 2 1/2 lbs. **9R5615**
Price \$2.10

Marvel
style D
has ex-
tra long
combi-
nation
chuck
which
holds
standard
1/4-
inch round shank
drills and all sizes
square, taper shank or
bit stock drills. Drills
Wt., about 2 1/2 lbs. **9R5614**
Price \$1.55

\$1.90

BIT STOCK DRILL SET IN WOOD CASE.
Consists of 1/4-inch bit stock shown, one size, 1/8s, 1/16s, 1/32s, 1/64s and 1/128s. Put up in round wood case. Weight, about 1 pound. **9R5624**-Price, per set \$1.90

\$2.00

Set of four bit stock drills as shown, one each, 1/4, 1/8, 1/16 and 1/32 inch, and one square ream-er bit, in round wood case. Weight, about 1/4 pounds. **9R5625-Price, per set \$2.00**

FLAT COUNTERSINK BITS FOR METAL.
Forged 18c
prop-
erly tem-
pered. Weight, about 2 ounces. **9R5642**-Price 18c

STEEL COUNTERSINKS.
40c With 1/2-inch 1/8-in. round shanks, will fit any of blacksmiths' drills. State size. **9R5644**-Price 40c 60c

36c

OCTAGON REAMER.
Made of steel, properly tempered. Reams holes up to 1/2 inch. Weight, about 4 oz. **9R5649**-Price 36c

KNURLED PRICK PUNCH.
Tempered at both ends. Diameter, 1/8-in. Weight, 2 ounces. **9R5735**-Price 14c

15c

KNURLED CENTER PUNCH.
Tempered at both ends. Diameter, 1/8-in. Weight, 2 ounces. **9R5734**-Price 15c

\$2.80

MACHINISTS' HANDY SET.
Consists of one each large and small cone chisel, large and small straight angle chisel, rivet set, large and small round nose punch, small center punch, 1/8-in. and 1/4-in. cold chisels, 1/8-in. center punch, solid punch, saddlers' drive punch, 1/2-hole prick punch and cup point nail set, 1/16-inch point. All made from steel and knurled. 1/8 inch in diameter. Weight, about 2 pounds. **9R5736**-Price, set \$2.80

Universal Surface Gauges.
Starrett's No. 57. State size wanted. **9R5988**

Weight,
Base, Spindle, Abt.,
Size, In. In. Lbs. Price
1/8 12 4 3.35
D 3/8 12 & 18 5 3.90

\$3.35

AND UP

\$1.20

Extension Dividers.

9R5498

6-Inch

State size.

Scribes

Size, Circle, Weight,

In. In. About Price

6 28 8 oz. \$1.20

8 35 11 oz. 1.45

10 50 1 lb. 1.75

\$1.20

Extension Dividers.

9R5496

8-Inch

Forged Steel Wing Dividers.

9R5496

State size.

Size Wt., About Price

6 in. 4 oz. 35c

8 in. 6 oz. 50c

10 in. 8 oz. 65c

See our line of Expert Lathes shown on page 1085.

\$1.40

No. 4

IMPROVED SCREW PITCH GAUGES.

9R5982

Starrett's No. 40.

Has 22 pitches, 9 to 40. Weight, abt. 1 oz. \$1.15

9R5983

Starrett's No. 4. Has 24 pitches, 4 to 30. Wt. about 2 oz. Price... \$1.40

\$1.40

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9R5983

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\$1.40

No. 4

Tiger Blower

\$17⁰⁰



Dimensions:
Height, 48 inches;
fan case, 11 1/4 in.
in diameter; fan,
8 1/2 in. in diameter.
Shipping wt., about
120 pounds.

Tiger Blower

A high grade blower giving a strong, steady blast. Has flat straight cut gears, steel shafts and composition bearings. Gear case is oiltight and dustproof, permitting gears to run in continuous bath of oil. Blower case can be raised or lowered. Crank turns forward or backward.

99R5001—Price, complete with piping and heavy anti-clinker tuyere, as illustrated \$17.00

Niagara Spiral Geared Ball Bearing Blower

A high grade well finished easy running hand power blower. Develops a steady, powerful blast. Gear case is dustproof and oiltight, permitting gears to run in a continuous bath of oil. Crank turns either forward or backward. Fan case can be raised, lowered or turned in any direction. Shipping wt., about 130 pounds.

99R5002—Price, complete with piping and tuyere, as illustrated \$29.50

\$145

Medium



Clark's Tuyere Irons.

With dump and shaker. Made of cast iron.
99R5311—Medium size. Shipping wt.,
about 22 pounds. \$1.45
99R5312—Large size. Shipping weight,
about 28 pounds. \$1.95

Norton's Adjustable Blast Tuyere Iron.

205
Blast regulated by turning
large rod; cinders and ashes re-
moved by pulling small rod. Levers and spring
can be changed to either side for right or left
hand use. Shipping weight, about 25 pounds.
99R5315—Price \$2.05

Duck Nest Tuyere Iron.

75c
Made of cast iron.
Shpg. wt., about 13 lbs.
99R5310—Price 75c



\$29.50

Dimensions: Tuy-
ere, 10x8 3/4 x 1 1/2 in.
(inside measurement);
12-inch fan case ad-
justable from 44 to
48 inches in height.

Niagara
Spiral
Gear
Ball
Bear-
ing
Blow-

Fitted w/
Iron cut s/
gear, st
worm ge
and bron
spiral gear.

Peerless Combination Forge and Blower.

\$26.50

With Half Hood.



For the Farmer,
Blacksmith,
Ranchman,
Horseshoer and
Boiler Maker.

Capacity to heat 3-inch
iron. Size of hearth, 35 1/2 x
24 1/2 inches; equipped
with duck nest fire pot
and anti-clinker tuyere.

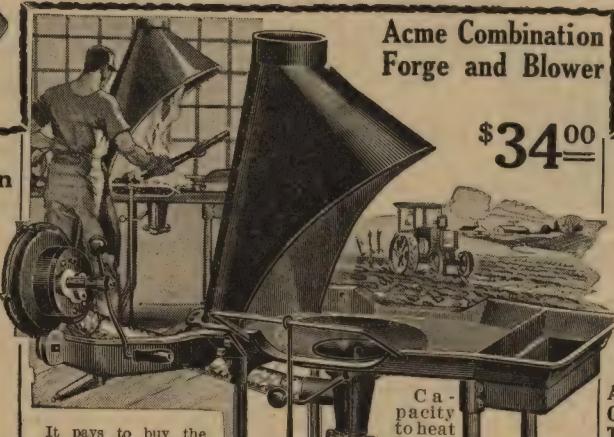
Has 9-inch blower. Crank turns either
forward or backward, has straight cut
flat gears which run in a continuous bath of oil. Gear
case is oil-tight and dustproof. Height from floor to top
of hearth, 30 inches. A forge that will require but little
attention and will give you years of satisfactory service.

99R5034—Peerless Combination Forge and Blower,
with half hood as illustrated. Shipping weight, about
180 pounds. Price \$26.50

99R5033—Peerless Combination Forge and Blower,
with shield. Shpg. wt., about 175 lbs. Price \$24.25

Water Tank.

99R5040—Fits our Peer-
less forges. Shipping weight,
about 18 pounds.
Price, extra \$2.10



\$34.00

Acme Combination Forge and Blower

Capacity to heat
4-inch
iron. Plenty of surplus
heat to weld
the largest
size wagon
axle. The forge
for the shop
where the work
is heavy.

A Strictly High
Grade Large
Size Forge for
Heavy Work.

It pays to buy the
best. This is the largest
and best forge that
we sell and we cannot
recommend it too highly.
It is well made of
good material and is of
heavy construction
throughout. Actual
weight is about 270
pounds. Length over
all, 53 inches.

Large hearth measures
45x31 1/2 inches. From top of hearth to floor
measures 30 inches. Anti-clinker tuyere; tuyere ball
furnishes both side and center blast. Blower is powerful and easy to
operate, has straight cut flat gears which run in a continuous bath of oil;
gear case is oil-tight and dustproof. Crank turns either forward or backward.
Fan case is 11 1/2 inches in diameter.

99R5036—Acme Combination Crank Forge, with coal box, half
hood and tool rest, as illustrated. Shipping weight, about 290 pounds.
Price \$34.00

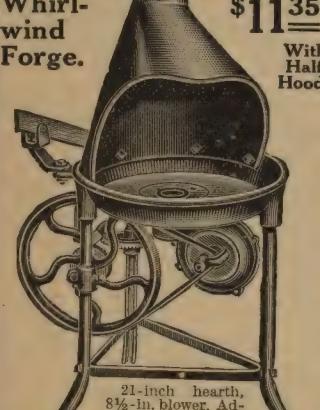
Water Tank.

99R5042—To fit above forge. Shipping
wt., about 36 lbs. Price, extra \$4.60

Whirlwind Forge.

\$11.35

With
Half
Hood.



21-inch hearth,
8 1/4-in. blower. Ad-
justable lever han-
dle and ratchet clutch.
Height from top of hearth
to floor, 30 inches. Ship-
ping wt., about 100 lbs.

99R5028—Whirlwind Forge. Price
with half hood as illustrated. \$11.35

99R5027—Whirlwind Forge. Price
with shield. \$10.50

Farmers' Big Combination Repair Outfit.

A Big Outfit of 16 High Grade, Useful Tools, Invaluable for Making Quick Repairs in Busy Times. Saves valuable time that would otherwise be spent on the road to and from the blacksmith shop. These tools will enable you to make all ordinary repairs in a few minutes' time. On even a small size farm this outfit will save its first cost many times over.

OUTFIT INCLUDES:

- Combination Vise and Pipe Vise, Anvil, Drill, Forge and Blower.
 - Vise jaws are 3 1/2 inches wide and open 9 in.
 - Pipe vise takes any size pipe up to 1 1/2 inches c/side measurement.
 - Anvil measures 12 inches long over all and is furnished with hardie.
 - Drill takes all sizes round shank drills with 3/8-in. shank.
 - Blower has crank handle, works easily and furnishes a sufficiently powerful draft to heat all ordinary work.
 - Blacksmiths' 1-Lb. Hammer.
 - Solid Frame Hack Saw with 8-inch blade.
 - 8-Inch Steel Monkey Wrench.
 - 6-Inch Handy Pliers.
 - Thread Cleaner and Alligator Wrench.
 - 6-Inch Champion Pattern Screwdriver.
 - 4-Inch Champion Pattern Screwdriver.
 - 5/8-Inch Cold Chisel.
 - 6-Inch Punch.
 - 8-Inch Slim Taper File.
 - 8-Inch Round Bastard File.
 - 10-Inch Flat Mill File.
 - 1/4-Inch Round Shank Drill.
 - 5/8-Inch Round Shank Drill.
 - 3/4-Inch Round Shank Drill.
- 18.35**
Complete as
Illustrated.

99R5005—Farmers' Big Combination Repair Outfit, described. Shipping weight, about 150 pounds. Price \$18.35

99R5006—Combination Vise and Pipe Vise, Anvil, Drill, Forge and Blower only, without any tools. Shpg. wt., about 135 lbs. Price \$14.50

Invin- cible Forge.

This forge, sui-
table for farms and
repair work where
work is light,
is a very popular
low priced
forge. Has 18-
in. hearth and
8-in. blower
with hand lev-
er. Height from
top of hearth
to floor, 30 in.

99R5025—Invincible Forge. Shipping weight, about 90 pounds. Price, with shield as illustrated. \$19.80 With Shield

99R5026—Invincible Forge, with fully enclosed hood, made of heavy sheet metal with sliding doors for use indoors, where sparks and escaping gas are objectionable. Shipping weight, about 100 pounds. Price \$11.50

Niagara
Spiral
Gear
Ball
Bear-
ing
Blow-

Fitted w/
Iron cut s/
gear, st
worm ge
and bron
spiral gear.

Improved
Vulcan
Forge.

\$21

With Half Hood

A High Grade Forge That Will Meet All the Require- ments of the Ordinary Shop.

Hearth measures 35 1/2 x 24 1/2 inches. Height from floor to top of hearth, 30 in. Equipped with duck nest fire pot and anti-clinker tuyere. Blower is 12 inches in diameter and is equipped with adjustable hand lever and rate clutch as shown in the illustration. Comes complete either with half hood or shield as desired.

99R5032—Improved Vulcan Forge, with hood, as illustrated, for indoor use. Shipping weight, about 195 pounds. Price \$21.00

99R5031—Improved Vulcan Forge, with shield. Shipping weight, about 190 pounds. Price \$19.00

Water Tank.
99R5040—Fits our V
can forges. Shipping weight, about 18 pounds. Price, extra \$2.00

Water Tank.
99R5042—To fit above forge. Shipping
wt., about 36 lbs. Price, extra \$4.60

99R5025—Invincible Forge. Shipping weight, about 90 pounds. Price, with shield as illustrated. \$19.80 With Shield

99R5026—Invincible Forge, with fully enclosed hood, made of heavy sheet metal with sliding doors for use indoors, where sparks and escaping gas are objectionable. Shipping weight, about 100 pounds. Price \$11.50

Niagara
Spiral
Gear
Ball
Bear-
ing
Blow-

Fitted w/
Iron cut s/
gear, st
worm ge
and bron
spiral gear.

Improved
Vulcan
Forge.

\$9.80

With Shield

99R5026—Invincible Forge, with fully e

closed hood, made of heavy sheet metal with t

sliding doors for use indoors, where sparks a

escaping gas are objectionable. Shipping w

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escaping gas are objectionable. Shipping w

about 100 pounds. Price \$11.50

Niagara
Spiral
Gear
Ball
Bear-
ing
Blow-

Fitted w/
Iron cut s/
gear, st
worm ge
and bron
spiral gear.

Improved
Vulcan
Forge.

\$9.80

With Shield

99R5026—Invincible Forge, with fully e

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Improved
Vulcan
Forge.

\$9.80

With Shield

99R5026—Invincible Forge, with fully e

75c Machinists' Ball Pein Hammers.

No. 2



Forged steel, with handles. Weight includes handles. State size.

9R5747
Size No.... 00 0 1 2 3 4
Wt., about... 1 lb. 1 1/4 lbs. 1 1/2 lbs. 2 lbs. 2 1/2 lbs.
Price 60c 65c 70c 75c 80c 85c

MACHINISTS' HICKORY HAMMER HANDLES.

6c

Length, 16 inches. Weight, each, about 6 ounces.

9R5757

Price, each..... 6c

FARRIERS' ADZE EYE HAMMER.

62c

Forged steel complete with handle. Weight, about 14 ounces.

9R5746—Price 62c

FARRIERS' KEYSTONE INTER-CHANGEABLE BLADE KNIFE.

50c

Strong, convenient and durable. Good steel blade.

9R5770—Weight, about 6 ounces.

Price, complete..... 50c

9R5771—Weight, about 4 ounces.

Price, handles only..... 25c

9R5772—Weight, about 2 ounces.

Price, blades each..... 30c

HORSESHOERS' TOE KNIFE.

Tempered steel. Weight, about 12 oz.

9R5773

Price .. 40c

HORSESHOERS' CAST STEEL BUFFER.

40c

For cutting off or driving nails out of the hoof. Wt., about 10 oz.

9R5774

Price 40c

90c "SURE-FOOT" HORSESHOE SCREW CALKS.

With Improved Exposed Hardened Steel Centers.

They save your animals and give you money. Note our remarkably low prices.

Note—Screw calks are sold only in full packages of 50 calks of any one size. We do not break packages.

9R3320 Size, 50 Wt., per per Pkg. of 50
Inch % About Pkg. of 50
1/4 lbs. \$0.90
1/2 lbs. .95
2/4 lbs. .90
3/4 lbs. .95
4/4 lbs. 1.00

9R3321 Size, 50 Wt., per per Pkg. of 50
Inch % About Pkg. of 50
1/4 lbs. \$0.90
1/2 lbs. .95
2/4 lbs. .90
3/4 lbs. .95
4/4 lbs. 1.00

9R3322 Size, 50 Wt., per per Pkg. of 50
Inch % About Pkg. of 50
1/4 lbs. \$0.90
1/2 lbs. .95
2/4 lbs. .90
3/4 lbs. .95
4/4 lbs. 1.00

9R3323 Size, 50 Wt., per per Pkg. of 50
Inch % About Pkg. of 50
1/4 lbs. \$0.90
1/2 lbs. .95
2/4 lbs. .90
3/4 lbs. .95
4/4 lbs. 1.00

9R3324 Size, 50 Wt., per per Pkg. of 50
Inch % About Pkg. of 50
1/4 lbs. \$0.90
1/2 lbs. .95
2/4 lbs. .90
3/4 lbs. .95
4/4 lbs. 1.00

Note—Screw calks are sold only in full packages of 50 calks of any one size. We do not break packages.

9R5714—Price... 35c 45c 55c 70c

16c

% in.

FULTON COLD CHISELS.

20c

3/4 in.

Forged from tough steel and tempered. Size given is size of steel bar from which chisel is made. State size.

9R5739

Size, 1/2 in. Wt., about 4 oz. Price, 12c

Size, 3/4 in. Wt., about 10 oz. Price, 16c

Size, 1/2 in. Wt., about 1 lb. Price, 20c

Size, 3/4 in. Wt., about 1 lb. Price, 20c

Blacksmiths' Hand Hammers.

\$1 15

No. 2

Forged steel, with handles. Weight includes handles. State size.

9R5750

Size No..... 2 3 4
Weight, about... 2 1/2 lbs. 3 lbs. 3 1/2 lbs.

Price \$1.10 \$1.15 \$1.20 \$1.25



PLOW OR ENGINEERS' HAMMERS.

90c

1/2 lb.

9R5749 Weight, about 1 1/2 lbs. Price..... \$0.90

Weight, about 2 1/2 lbs. Price..... 1.05

BLACKSMITHS' HICKORY HAMMER HANDLES.

6c Length, 16 inches.

Weight, each, about 8 oz.

9R5755—Price, each..... 6c

55c RIVETING HAMMERS.

No. 1 Forged steel. Weight includes handles. State weight.

9R5748 Size No..... 1 2 3 4
Wt., about, oz. 10 12 16 18

Price 55c 60c 65c 70c

HICKORY RIVETING HAMMER HANDLES.

6c Length, 14 in.

Weight, each, about 6 ounces.

9R5756—Price, each..... 6c

HORSESHOERS' TURNING SLEDGES.

\$1 44 Cast steel.

Without handle. State weight.

9R5754 6-lb. Weight, about, lbs. 6 8 10 12 14 16

Price \$1.44 \$1.92 \$2.40

UNHANDLED HAND HAMMERS.

50c Unhandled Hand Hammers. Made of steel. State weight. Up.

9R5751 Wt., about, lbs. 2 2 1/2 3 3 1/2 4 1/2

Price 50c 60c 70c 80c \$1.00

\$1 20 BLACKSMITHS' SLEDGES. **\$1 50**

8-lb. 10-lb.

9R5752 Double Face. Single Face.

Guaranteed against defects. State weight and whether single or double face is wanted.

Single and double face same price. Without handle.

Wt., abt., lbs. 6 8 10 12 14 16

Price 90c \$1.20 \$1.50 \$1.80 \$2.10 \$2.40

HICKORY SLEDGE HANDLE.

21c Straight grain, selected, 36 inches long.

Weight, about 1 1/2 pounds.

99R5739—Price..... 21c

\$3 40
14-in.

OUR PRIDE

BALL BEARING HOOF SHEARS.

Drop forged steel knives, jaws and handles. Ball bearing joint reduces friction. Interchangeable knives make repair easy. Adjustable to take up wear.

9R5764—Length about 12 inches; weight about 2 1/2 pounds. Price..... \$3.20

9R5765—Length about 14 inches; weight about 3 pounds. Price..... \$3.40

Extra Bladed and Bolts for Our Pride Hoof Shears.

9R5766—For 12-in. shears. Wt., abt. 4 oz. Price, 75c

9R5767—For 14-in. shears. Wt., abt. 4 oz. Price, 80c

9R5768

9R5769

9R5770

9R5771

9R5772

9R5773

9R5774

9R5775

9R5776

9R5777

9R5778

9R5779

9R5780

9R5781

9R5782

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9R5789

9R5790

9R5791

9R5792

9R5793

9R5794

9R5795

9R5796

9R5797

9R5

Blacksmiths' Solid \$11¹⁵ Box Vise

Heavy steel jaws, tempered hard and tough. Screws are heavy and strong, threads are carefully cut and thread boxes are solid. Vise furnished with two loose screw collars to work on outside of jaws, which prevents binding. Lag screws furnished for fastening to bench.

Weight, About	Width Jaws,	Lbs. In. Price
99R5280	35 3%	\$ 8.80
99R5281	40 4	9.65
99R5282	45 4½	10.50
99R5283	50 4½	11.15
99R5284	60 5	12.25
99R5285	70 5½	13.35
99R5286	80 5½	14.45
99R5287	100 6	18.70

Vise Boxes and Screws.

Fit any blacksmiths' regular vise. Same quality we furnish in our 99R5280 to 99R5287 Vises above.

\$3.80

Size, In.	Shipping Weight, Lbs.	For Vises, Shipping Weight, Lbs.	About, Lbs.	Price
99R5291 1½	35 to 50	9	3.80	
99R5292 1½	60 to 70	11	4.40	
99R5293 1½	80 to 90	15	4.90	
99R5294 1½	100 to 125	20	6.50	

Combination Vise and Anvil With Jaws for Holding Pipe.



FOR OTHER PIPE VISES SEE PAGE 1092.

A useful tool for light work on the farm. Jaws are 3 inches wide and open about 3 inches. Lag screws furnished for fastening to bench. Shipping weight, about 25 pounds.

99R5270—Price\$1.55

95c Little Samson Clamp Vise.

Suitable for watchmakers, jewelers, etc. Made of cast iron with steel screws and lever.

Width, 1½ in.	Opens, 2 in.	Weight, 2 lbs.	About, 1.30	Price, \$0.95
99R5581 2	2	3		

Width, 1½ in.

Opens, 2 in.

Weight, 2 lbs.

About, 1.30

Price, \$0.95

Standard Pattern Clamp Vise.

Suitable for light household and amateur use.

Width, 1½ in.	Jaws, Abt. 2 in.	Wt., Abt. 1½ lbs.	Price, 55c
99R5584 2	2	2	80c

Width, 1½ in.

Jaws, Abt. 2 in.

Wt., Abt. 1½ lbs.

Price, 55c

80c

Width, 1½ in.

Jaws, Abt. 2 in.

Wt., Abt. 1½ lbs.

Price, 55c

80c

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Price, 55c

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Width, 1½ in.

Jaws, Abt. 2 in.

Wt., Abt. 1½ lbs.

Price, 55c

80c

Width, 1½ in.

Jaws, Abt. 2 in.

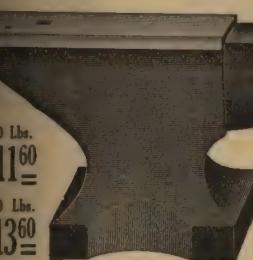
Wt., Abt. 1½ lbs.

Price, 55c

80c

Steel Face Cast Anvil

Face of this anvil is one solid piece of tempered steel, securely welded to body and guaranteed not to come off. Horn is tough untempered steel. Body, cast iron. A very good low price anvil, guaranteed to give satisfactory service. State weight wanted.



80 Lbs.	\$11.60
100 Lbs.	\$13.60
120 Lbs.	\$15.60
140 Lbs.	\$17.60
160 Lbs.	\$19.60
180 Lbs.	\$21.60
200 Lbs.	\$23.60
220 Lbs.	\$25.60
240 Lbs.	\$27.60
260 Lbs.	\$29.60
280 Lbs.	\$31.60
300 Lbs.	\$33.60
320 Lbs.	\$35.60
340 Lbs.	\$37.60
360 Lbs.	\$39.60
380 Lbs.	\$41.60
400 Lbs.	\$43.60
420 Lbs.	\$45.60
440 Lbs.	\$47.60
460 Lbs.	\$49.60
480 Lbs.	\$51.60
500 Lbs.	\$53.60
520 Lbs.	\$55.60
540 Lbs.	\$57.60
560 Lbs.	\$59.60
580 Lbs.	\$61.60
600 Lbs.	\$63.60
620 Lbs.	\$65.60
640 Lbs.	\$67.60
660 Lbs.	\$69.60
680 Lbs.	\$71.60
700 Lbs.	\$73.60
720 Lbs.	\$75.60
740 Lbs.	\$77.60
760 Lbs.	\$79.60
780 Lbs.	\$81.60
800 Lbs.	\$83.60
820 Lbs.	\$85.60
840 Lbs.	\$87.60
860 Lbs.	\$89.60
880 Lbs.	\$91.60
900 Lbs.	\$93.60
920 Lbs.	\$95.60
940 Lbs.	\$97.60
960 Lbs.	\$99.60
980 Lbs.	\$101.60
1000 Lbs.	\$103.60
1020 Lbs.	\$105.60
1040 Lbs.	\$107.60
1060 Lbs.	\$109.60
1080 Lbs.	\$111.60
1100 Lbs.	\$113.60
1120 Lbs.	\$115.60
1140 Lbs.	\$117.60
1160 Lbs.	\$119.60
1180 Lbs.	\$121.60
1200 Lbs.	\$123.60
1220 Lbs.	\$125.60
1240 Lbs.	\$127.60
1260 Lbs.	\$129.60
1280 Lbs.	\$131.60
1300 Lbs.	\$133.60
1320 Lbs.	\$135.60
1340 Lbs.	\$137.60
1360 Lbs.	\$139.60
1380 Lbs.	\$141.60
1400 Lbs.	\$143.60
1420 Lbs.	\$145.60
1440 Lbs.	\$147.60
1460 Lbs.	\$149.60
1480 Lbs.	\$151.60
1500 Lbs.	\$153.60
1520 Lbs.	\$155.60
1540 Lbs.	\$157.60
1560 Lbs.	\$159.60
1580 Lbs.	\$161.60
1600 Lbs.	\$163.60
1620 Lbs.	\$165.60
1640 Lbs.	\$167.60
1660 Lbs.	\$169.60
1680 Lbs.	\$171.60
1700 Lbs.	\$173.60
1720 Lbs.	\$175.60
1740 Lbs.	\$177.60
1760 Lbs.	\$179.60
1780 Lbs.	\$181.60
1800 Lbs.	\$183.60
1820 Lbs.	\$185.60
1840 Lbs.	\$187.60
1860 Lbs.	\$189.60
1880 Lbs.	\$191.60
1900 Lbs.	\$193.60
1920 Lbs.	\$195.60
1940 Lbs.	\$197.60
1960 Lbs.	\$199.60
1980 Lbs.	\$201.60
2000 Lbs.	\$203.60
2020 Lbs.	\$205.60
2040 Lbs.	\$207.60
2060 Lbs.	\$209.60
2080 Lbs.	\$211.60
2100 Lbs.	\$213.60
2120 Lbs.	\$215.60
2140 Lbs.	\$217.60
2160 Lbs.	\$219.60
2180 Lbs.	\$221.60
2200 Lbs.	\$223.60
2220 Lbs.	\$225.60
2240 Lbs.	\$227.60
2260 Lbs.	\$229.60
2280 Lbs.	\$231.60
2300 Lbs.	\$233.60
2320 Lbs.	\$235.60
2340 Lbs.	\$237.60
2360 Lbs.	\$239.60
2380 Lbs.	\$241.60
2400 Lbs.	\$243.60
2420 Lbs.	\$245.60
2440 Lbs.	\$247.60
2460 Lbs.	\$249.60
2480 Lbs.	\$251.60
2500 Lbs.	\$253.60
2520 Lbs.	\$255.60
2540 Lbs.	\$257.60
2560 Lbs.	\$259.60
2580 Lbs.	\$261.60
2600 Lbs.	\$263.60
2620 Lbs.	\$265.60
2640 Lbs.	\$267.60
2660 Lbs.	\$269.60
2680 Lbs.	\$271.60
2700 Lbs.	\$273.60
2720 Lbs.	\$275.60
2740 Lbs.	\$277.60
2760 Lbs.	\$279.60
2780 Lbs.	\$281.60
2800 Lbs.	\$283.60
2820 Lbs.	\$285.60
2840 Lbs.	\$287.60
2860 Lbs.	\$289.60
2880 Lbs.	\$291.60
2900 Lbs.	\$293.60
2920 Lbs.	\$295.60
2940 Lbs.	\$297.60
2960 Lbs.	\$299.60
2980 Lbs.	\$301.60
3000 Lbs.	\$303.60
3020 Lbs.	\$305.60
3040 Lbs.	\$307.60
3060 Lbs.	\$309.60
3080 Lbs.	\$311.60
3100 Lbs.	\$313.60
3120 Lbs.	\$315.60
3140 Lbs.	\$317.60
3160 Lbs.	\$319.60
3180 Lbs.	\$321.60
3200 Lbs.	\$323.60
3220 Lbs.	\$325.60
3240 Lbs.	\$327.60
3260 Lbs.	\$329.60
3280 Lbs.	\$331.60
3300 Lbs.	\$333.60
3320 Lbs.	\$335.60
3340 Lbs.	\$337.60
3360 Lbs.	\$339.60
3380 Lbs.	\$341.60
3400 Lbs.	\$343.60
3420 Lbs.	\$345.60
3440 Lbs.	\$347.60
3460 Lbs.	\$349.60
3480 Lbs.	\$351.60
3500 Lbs.	\$353.60
3520 Lbs.	\$355.60
3540 Lbs.	\$357.60
3560 Lbs.	\$359.60
3580 Lbs.	\$361.60
3600 Lbs.	\$363.60
3620 Lbs.	\$365.60
3640 Lbs.	\$367.60
3660 Lbs.	\$369.60
3680 Lbs.	\$371.60
3700 Lbs.	\$373.60
3720 Lbs.	\$375.60
3740 Lbs.	\$377.60
3760 Lbs.	\$379.60
3780 Lbs.	\$381.60
3800 Lbs.	\$383.60
3820 Lbs.	\$385.60
3840 Lbs.	\$387.60
3860 Lbs.	\$389.60
3880 Lbs.	\$391.60
3900 Lbs.	\$393.60
3920 Lbs.	\$395.60
3940 Lbs.	\$397.60
3960 Lbs.	\$399.60
3980 Lbs.	\$401.60
4000 Lbs.	\$403.60
4020 Lbs.	\$405.60
4040 Lbs.	\$407.60
4060 Lbs.	\$409.60
4080 Lbs.	\$411.60
4100 Lbs.	\$413.60
4120 Lbs.	\$415.60
4140 Lbs.	\$417.60
4160 Lbs.	\$419.60
4180 Lbs.	\$421.60
4200 Lbs.	\$423.60
4220 Lbs.	\$425.60
4240 Lbs.	\$427.60
4260 Lbs.	\$429.60
4280 Lbs.	\$431.60
4300 Lbs.	\$433.60
4320 Lbs.	\$435.60
4340 Lbs.	\$437.60
4360 Lbs.	\$439.60
4380 Lbs.	\$441.60
4400 Lbs.	\$443.60
4420 Lbs.	\$445.60
4440 Lbs.	\$447.60
4460 Lbs.	\$449.60
4480 Lbs.	\$451.60
4500 Lbs.	\$453.60
4520 Lbs.	\$455.60
4540 Lbs.	\$457.60
4560 Lbs.	\$459.60
4580 Lbs.	\$461.60
4600 Lbs.	\$463.60
4620 Lbs.	\$465.60
4640 Lbs.	\$467.60
4660 Lbs.	\$469.60
4680 Lbs.	\$471.60
4700 Lbs.	\$473.60
4720 Lbs.	\$475.60
4740 Lbs.	\$477.60
4760 Lbs.	\$479.60
4780 Lbs.	\$481.60
4800 Lbs.	\$483.60
4820 Lbs.	\$485.60
4840 Lbs.	\$487.60
4860 Lbs.	\$489.60
4880 Lbs.	\$491.60
4900 Lbs.	\$493.60
4920 Lbs.	\$495.60
4940 Lbs.	\$497.60
4960 Lbs.	\$499.60
4980 Lbs.	\$501.60
5000 Lbs.	\$503.60
5020 Lbs.	\$505.60
5040 Lbs.	\$507.60
5060 Lbs.	\$509.60
5080 Lbs.	\$511.60
5100 Lbs.	\$513.60
5120 Lbs.	\$515.60
5140 Lbs.	\$517.60
5160 Lbs.	\$519.60
5180 Lbs.	\$521.60
5200 Lbs.	\$523.60
5220 Lbs.	\$525.60
5240 Lbs.	\$527.60
5260 Lbs.	\$529.60
5280 Lbs.	\$531.60
5300 Lbs.	\$533.60
5320 Lbs.	\$535.60
5340 Lbs.	\$537.60
5360 Lbs.	\$539.60
5380 Lbs.	\$541.60
5400 Lbs.	\$543.60
5420 Lbs.	\$545.60
5440 Lbs.	\$547.60
5460 Lbs.	\$549.60
5480 Lbs.	\$551.60
5500 Lbs.	\$553.60
5520 Lbs.	\$555.60
5540 Lbs.	\$557.60
5560 Lbs.	\$559.60
5580 Lbs.	\$561.60
5600 Lbs.	\$563.60
5620 Lbs.	\$565.60
5640 Lbs.	\$567.60
5660 Lbs.	\$569.60
5680 Lbs.	\$571.60
5700 Lbs.	\$573.60
5720 Lbs.	\$575.60
5740 Lbs.	\$577.60
5760 Lbs.	\$579.60
5780 Lbs.	\$581.60
5800 Lbs.	\$583.60
5820 Lbs.	\$585.60
5840 Lbs.	\$587.60
5860 Lbs.	\$589.60
5880 Lbs.	\$591.60
5900 Lbs.	\$593.60
5920 Lbs.	\$595.60
5940 Lbs.	\$597.60
5960 Lbs.	\$599.60
5980 Lbs.	\$601.60
6000 Lbs.	\$603.60
6020 Lbs.	\$605.60
6040 Lbs.	\$607.60
6060 Lbs.	\$609.60
6080 Lbs.	\$611.60
6100 Lbs.	\$613.60
6120 Lbs.	\$615.60
6140 Lbs.	\$617.60
6160 Lbs.	\$619.60
6180 Lbs.	\$621.60
6200 Lbs.	\$623.60
6220 Lbs.	\$625.60
6240 Lbs.	\$627.60
6260 Lbs.	\$629.60
6280 Lbs.	\$631.60
6300 Lbs.	\$633.60
6320 Lbs.	\$635.60
6340 Lbs.	\$637.60
6360 Lbs.	\$639.60
6380 Lbs.	\$641.60
6400 Lbs.	\$643.60
6420 Lbs.	\$645.60
6440 Lbs.	\$647.60
6460 Lbs.	\$649.60
6480 Lbs.	\$651.60
6500 Lbs.	\$653.60
6520 Lbs.	\$655.60
6540 Lbs.	\$657.60
6560 Lbs.	\$659.60
6580 Lbs.	\$661.60
6600 Lbs.	\$663.60
6620 Lbs.	\$665.60
6640 Lbs.	\$667.60
6660 Lbs.	\$669.60
6680 Lbs.	\$671.60
6700 Lbs.	\$673.60
6720 Lbs.	\$675.60
6740 Lbs.	\$677.60
6760 Lbs.	\$679.60
6780 Lbs.	\$681.60
6800 Lbs.	\$683.60
6820 Lbs.	\$685.60
6840 Lbs.	\$687.60
6860 Lbs.	\$689.60
6880 Lbs.	\$691.60
6900 Lbs.	\$693.60
6920 Lbs.	\$695.60
6940 Lbs.	\$697.60
6960 Lbs.	\$699.60
6980 Lbs.	\$701.60
7000 Lbs.	\$703.60
7020 Lbs.	\$705.60
7040 Lbs.	\$707.60
7060 Lbs.	\$709.60
7080 Lbs.	\$711.60
7100 Lbs.	\$713.60
7120 Lbs.	\$715.60
7140 Lbs.	\$717.60
7160 Lbs.	\$719.60
7180 Lbs.	\$721.60
7200 Lbs.	\$723.60
7220 Lbs.	\$725.60
7240 Lbs.	\$727.60
7260 Lbs.	\$729.60
7280 Lbs.	\$731.60
7300 Lbs.	\$733.60
7320 Lbs.	\$735.60
7340 Lbs.	\$737.60
7360 Lbs.	\$739.60
7380 Lbs.	\$741.60
7400 Lbs.	\$743.60
7420 Lbs.	\$745.60
7440 Lbs.	\$747.60
7460 Lbs.	\$749.60
7480 Lbs.	\$751.60
7500 Lbs.	\$753.60
7520 Lbs.	\$755.60
7540 Lbs.	\$757.60
7560 Lbs.	\$759.60
7580 Lbs.	\$761.60
7600 Lbs.	\$763.60
7620 Lbs.	\$765.60
7640 Lbs.	\$767.60
7660 Lbs.	\$769.60
7680 Lbs.	\$771.60
7700 Lbs.	\$773.60
7720 Lbs.	\$775.60
7740 Lbs.	\$777.60
7760 Lbs.	\$779.60
7780 Lbs.	\$781.60
7800 Lbs.	\$783.60
7820 Lbs.	\$785.60
7840 Lbs.	\$787.60
7860 Lbs.	\$789.60
7880 Lbs.	\$791.60
7900 Lbs.	\$793.60
7920 Lbs.	\$795.60
7940 Lbs.	\$797.60
7960 Lbs.	\$799.60
7980 Lbs.	\$801.60
8000 Lbs.	\$803.60
8020 Lbs.	\$805.60
8040 Lbs.	\$807.60
8060 Lbs.	\$809.60
8080 Lbs.	\$811.60
8100 Lbs.	\$813.60
8120 Lbs.	\$815.60
8140 Lbs.	\$817.60
8160 Lbs.	\$819.60
8180 Lbs.	\$821.60
8200 Lbs.	\$823.60
8220 Lbs.	\$825.60
8240 Lbs.	\$827.60
8260 Lbs.	\$829.60
8280 Lbs.	\$831.60
8300 Lbs.	\$833.60
8320 Lbs.	\$835.60
8340 Lbs.	\$837.60
8360 Lbs.	\$839.60
8380 Lbs.	\$841.60
8400 Lbs.	\$843.60
8420 Lbs.	\$845.60
8440 Lbs.	\$847.60
8460 Lbs.	\$849.60
8480 Lbs.	\$851.60
8500 Lbs.	\$853.60
8520 Lbs.	\$855.60
8540 Lbs.	\$857.60
8560 Lbs.	\$859.60
8580 Lbs.	\$861.60
8600 Lbs.	\$863.60
8620 Lbs.	\$865.60
8640 Lbs.	\$867.60
8660 Lbs.	\$869.60
8680 Lbs.	\$871.60
8700 Lbs.	\$873.60
8720 Lbs.	\$875.60
8740 Lbs.	\$877.60
8760 Lbs.	\$879.60
8780 Lbs.	\$881.60
8800 Lbs.	\$883.60
8820 Lbs.	\$885.60

Pipe Fitters' Tools—Unusual Values



Here Is a Handy Pipe Threading Tool.

Threads three different sizes of pipe, $\frac{1}{4}$, $\frac{1}{2}$ and $\frac{3}{4}$ -inch, without changing a die or guide. Any Armstrong pattern No. 2 die and guide can be used in it. Dies are adjustable to cut deep or shallow threads. Stock is malleable iron. Dies are tempered tool steel.

42R6011—Hercules 3 in 1 pipe stock with three dies and guides to thread $\frac{1}{4}$, $\frac{1}{2}$ and $\frac{3}{4}$ -inch pipe. Price \$9.70

42R6012—Extra dies for above stock, pipe sizes, $\frac{1}{4}$, $\frac{1}{2}$, $\frac{3}{4}$ and 1 inch. Price, each size.....\$1.20

42R6013—Extra guides for above stock, pipe sizes, $\frac{1}{4}$, $\frac{1}{2}$, $\frac{3}{4}$ and $\frac{3}{8}$ inch (the stock acts as a guide for 1-inch pipe). Price, each size.....25¢



Just the Tool You Need for the Work Bench in Your Garage or Shop.

A Combination Bench and Pipe Vise on a swivel base. Made extra strong. Jaws are made of tempered tool steel. Screw and lever handle are cold rolled steel. Front pipe jaw is reversible. Screw works

inside of slide. Finished in dull black, with polished slide jaws and handle.

42R5976—Takes pipe $\frac{1}{4}$ to $\frac{1}{2}$ in. Shipping wt., about 20 pounds. Price.....\$7.00

Size 1. Takes pipe $\frac{1}{4}$ to 2 inches. Shipping weight, about 55 pounds. Price.....\$9.60

Size 2. Takes pipe $\frac{1}{4}$ to $\frac{3}{4}$ inches. Shipping weight, about 73 pounds. Price.....\$13.00

For Other Vises See Page 1090.



Quick Action Pipe Vise.

Give handle half a turn, lift up latch, raise top of vise and you can take pipe out sideways. Holds pipe, rods and bars. Made of malleable iron with steel jaws, guaranteed not to break.

42R5969—No. 0. Holds pipe from $\frac{1}{4}$ to $\frac{1}{2}$ inches. Shipping wt., about 8 pounds. Price.....\$2.10

42R5970—No. 1 holds pipe from $\frac{1}{4}$ to $\frac{2}{3}$ inches. Shipping weight, about 15 pounds. Price.....\$3.25

42R5972—No. 2 holds pipe from $\frac{1}{4}$ to 3 inches. Shipping weight, about 20 pounds. Price.....\$4.90

42R5971—Steel Jaws for above. Jaws for No. 0 vise. Price, per set.....\$1.15

Jaws for No. 1 vise. Price, per set.....\$1.16

Jaws for No. 2 vise. Price, per set.....\$1.60



Handy Kit Pipe Vise.

42R5968—Carry your tool bag by strap. Can be attached by lag screws. Jaws grip pipe without crushing or stripping it. The greater the strain on the pipe the harder the jaws grip it. Takes pipe from $\frac{1}{4}$ to 2 inches. Shipping weight, about 4 lbs. Price.....\$2.80

Monarch Drill Ratchet.

Drills Holes in Iron, Steel, Marble or Wood.

42R6076—Made of steel throughout.

By attaching 42R6077 or 42R6078 sleeve,

round shank drill may be used.

10-in. Shpg. wt., $\frac{3}{4}$ lbs.....\$4.25

12-in. Shpg. wt., $\frac{5}{8}$ lbs.....\$4.75

15-in. Shpg. wt., 7 lbs.....\$5.50

Twist Drills for Above Ratchet.

42R6088—Tool Steel Twist

Drills with shank to fit Monarch

Ratchet. Av. shpg. wt., about 10 oz.

Diam. In. Price In. Price

$\frac{1}{4}$ \$1.00 $\frac{1}{2}$ \$.30

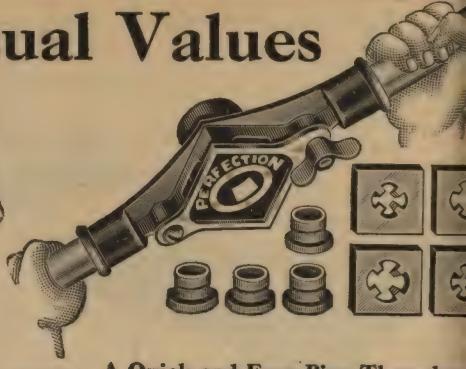
$\frac{5}{16}$.10 $\frac{9}{16}$.35

$\frac{3}{8}$.20 $\frac{11}{16}$.40

$\frac{7}{16}$.25 $\frac{13}{16}$.55

For Other Twist Drills See

Page 1087.



A Quick and Easy Pipe Threader.

An easy to use, solid die, pipe threading stock for those desiring to do their own pipe fitting, as well as for the plumber or steamfitter. The various dies and guides can be quickly interchanged, they are in one piece and need no adjusting. Stock is made of malleable iron, cutters in dies are tempered tool steel. Guaranteed to cut a clean sharp thread. Nos. 2 and 3 furnished with lead screw, as shown in illustration. Leader screws are furnished with other sizes.

42R6000—No. 0. Threads pipe $\frac{1}{4}$, $\frac{3}{8}$ and $\frac{1}{2}$ inch. Dimensions of dies, $2 \times \frac{1}{2}$. Shipping weight, about $6\frac{1}{2}$ pounds.

Price, complete with dies and guides.....\$4.60

Extra dies, each.....

Extra guides, each.....

42R6001—No. 1. Threads pipe, $\frac{1}{4}$, $\frac{3}{8}$ and 1 inch. Dimensions of dies, $2 \times \frac{1}{2}$.

Shipping weight, about $13\frac{1}{2}$ pounds.

Price, complete with dies and guides.....\$6.30

Extra dies, each.....

Extra guides, each.....

42R6002—No. 1½. Threads pipe, $\frac{1}{4}$ and $\frac{1}{2}$ inches. Dimensions of dies, $3 \times \frac{1}{2}$.

Shipping weight, about 14 pounds.

Price, complete with dies and guides.....\$7.50

Extra dies, each.....

Extra guides, each.....

42R6003—No. 1½. Dimensions of dies, $3 \times \frac{1}{2}$.

No. 1, $\frac{1}{4}$, $\frac{1}{2}$, $\frac{3}{4}$ to $\frac{1}{2}$, $\frac{1}{4}$, $\frac{1}{2}$.

Dimensions of dies, $3 \times \frac{1}{2}$.

Shipping weight, about $23\frac{1}{2}$ pounds.

Price, complete with dies and guides.....\$5.75

Extra dies, each.....\$1.20

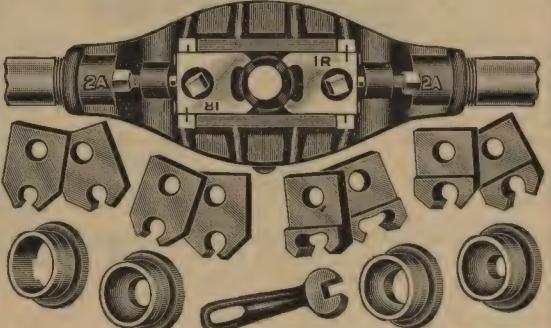
Extra guides, each.....\$1.36

42R6004—Size 3. Threads pipe $\frac{1}{4}$, $\frac{3}{8}$ and $\frac{1}{2}$ inches. Size of dies, $5 \times \frac{1}{2}$ inches. Shipping weight, about 53 pounds.

Price, dies, ea. \$5.40; extra guides, ea. \$1.20

For taps see 42R6060 on this page. They are included at above prices.

You Can Adjust and Resharpen the Dies in These Stocks.



Hercules Adjustable Stocks are fitted with dies that can be adjusted to cut a deep or shallow thread. This is very convenient when threading pipe for old fittings. The dies are quick and easy cutters and can be sharpened on grindstone or emery wheel when worn. Each die has a cone taper, forming a lead which causes them to start on the pipe without filing, even when there is a swell or burr.

42R6014—Hercules No. Adjustable Stock and Dies. Threads $\frac{1}{4}$, $\frac{3}{8}$, $\frac{5}{8}$, $\frac{3}{4}$ and 1 inch, right hand. Complete as illustrated. Shipping weight, about 17 pounds. Price, per set.....\$7.20

Extra Pipe Dies, each size two pieces. Price.....\$1.20

Extra Guides, Price, each size.....\$1.25

42R6015—Hercules No. 2½ Adjustable Stock and Dies. With four dies, cutting $\frac{1}{4}$, $\frac{3}{8}$, 1 and $1\frac{1}{4}$ inches, right hand. Furnished with handles, dies and guides complete. Shipping wt., about 23 lbs.

Price, per set.....\$10.80

Extra Pipe Dies, each size, two pieces. Price.....\$2.70

Extra Guides, Price, each size.....\$4.45

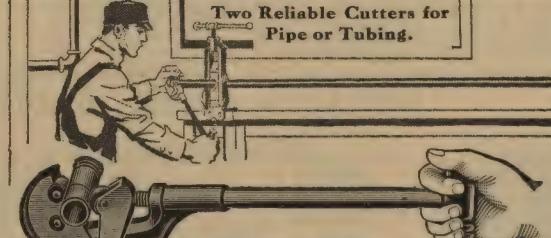
42R6017—Hercules No. 6 Adjustable Stock and Dies. Shipping wt., about 80 lbs. Price, complete with $2\frac{1}{2}$ and 3-in. dies.....\$27.00

42R6018—Hercules No. 7 Adjustable Stock and Dies. Shipping wt., about 80 lbs. Price, complete with $3\frac{1}{2}$ and 4-in. dies.....\$33.00

NOTICE—All parts of above will interchange with standard makes of Armstrong Stocks and Dies.

Prices quoted on application for dies or guides for 42R6017½ and 42R6018½ Stock and Dies. When writing be sure to state size wanted.

Two Reliable Cutters for Pipe or Tubing.



Saunders Pattern Pipe Cutter. Wheel cuts groove in pipe and the two rollers roll edges down smooth. Made of malleable iron with tool steel cutting wheel.

42R5996—Cuts pipe from..... $\frac{1}{2}$ to 1 in.

Shipping weight, about, pounds..... $\frac{5}{8}$

Price.....\$1.50

Extra wheels, each.....\$.12

42R5997—Cuts pipe from..... $\frac{1}{2}$ to 2 in.

Shipping weight, about, pounds..... $\frac{7}{8}$

Price.....\$2.25

Extra wheels, each.....\$.16

42R5998—Cuts pipe from..... $\frac{1}{2}$ to 3 in.

Shipping weight, about, pounds..... $\frac{14}{16}$

Price.....\$5.50

Extra wheels, each.....\$.30

42R5999—Cuts three times as fast as

a single wheel cutter. Will cut off a pipe or tube by turning only one-third of the way around. Made of malleable iron with three tool steel cutting wheels.

42R5987—Cuts pipe from..... $\frac{1}{2}$ to 1 in.

Shipping weight, about, pounds..... $\frac{5}{8}$

Price.....\$1.85

Extra wheels, each.....\$.10

42R5988—Cuts pipe from..... $\frac{1}{2}$ to 2 in.

Shipping weight, about, pounds..... $\frac{10}{16}$

Price.....\$2.50

Extra wheels, each.....\$.13

42R5989—Cuts pipe from..... $\frac{1}{2}$ to 3 in.

Shipping weight, about, pounds..... $\frac{103}{16}$

Price.....\$4.20

Extra wheels, each.....\$.16

42R5990—Cuts pipe from..... $\frac{1}{2}$ to 4 in.

Shipping weight, about, pounds..... $\frac{103}{16}$

Price.....\$6.00

Extra wheels, each.....\$.20

42R5991—Cuts pipe from..... $\frac{1}{2}$ to 5 in.

Shipping weight, about, pounds..... $\frac{103}{16}$

Price.....\$8.00

Extra wheels, each.....\$.24

42R5992—Cuts pipe from..... $\frac{1}{2}$ to 6 in.

Shipping weight, about, pounds..... $\frac{103}{16}$

Price.....\$10.00

Extra wheels, each.....\$.28

42R5993—Cuts pipe from..... $\frac{1}{2}$ to 7 in.

Shipping weight, about, pounds..... $\frac{103}{16}$

Price.....\$12.00

Extra wheels, each.....\$.32

42R5994—Cuts pipe from..... $\frac{1}{2}$ to 8 in.

Shipping weight, about, pounds..... $\frac{103}{16}$

Price.....\$14.00

Extra wheels, each.....\$.36

42R5995—Cuts pipe from..... $\frac{1}{2}$ to 9 in.

Shipping weight, about, pounds..... $\frac{103}{16}$

Price.....\$16.00

Extra wheels, each.....\$.40

42R5996—Cuts pipe from..... $\frac{1}{2}$ to 10 in.

Shipping weight, about, pounds..... $\frac{103}{16}$

Price.....\$18.00

Extra wheels, each.....\$.44

42R5997—Cuts pipe from..... $\frac{1}{2}$ to 11 in.

Shipping weight, about, pounds..... $\frac{103}{16}$

Price.....\$20.00

Extra wheels, each.....\$.48

42R5998—Cuts pipe from..... $\frac{1}{2}$ to 12 in.

Shipping weight, about, pounds..... $\frac{103}{16}$

Price.....\$22.00

Extra wheels, each.....\$.52

42R5999—Cuts pipe from..... $\frac{1}{2}$ to 13 in.

Shipping weight, about, pounds..... $\frac{103}{16}$

Price.....\$24.00

Extra wheels, each.....\$.56

42R6000—Cuts pipe from..... $\frac{1}{2}$ to 14 in.

Shipping weight, about, pounds..... $\frac{103}{16}$

Price.....\$26.00

Extra wheels, each.....\$.60

42R6001—Cuts pipe from..... $\frac{1}{2}$ to 15 in.

Shipping weight, about, pounds..... $\frac{103}{16}$

Price.....\$28.00

Extra wheels, each.....\$.64

42R6002—Cuts pipe from..... $\frac{1}{2}$ to 16 in.

Shipping weight, about, pounds..... $\frac{103}{16}$

Price.....\$30.00

Extra wheels, each.....\$.68

42R6003—Cuts pipe from..... $\frac{1}{2}$ to 17 in.

Shipping weight, about, pounds..... $\frac{103}{16}$

Price.....\$32.00

Extra wheels, each.....\$.72

42R6004—Cuts pipe from..... $\frac{1}{2}$ to 18 in.

Shipping weight, about, pounds..... $\frac{103}{16}$

Price.....\$34.00

Extra wheels, each.....\$.76

42R6005—Pump Rod Stock with two

for threading $\frac{1}{4}$ and $\frac{7}{16}$ -inch pump rod, to

42R6020, and 42R6021 rod couplings, shown

page 1245. Dies are adjustable, made of tempered

tool steel, set in malleable iron stock. Shipping

weight, about 2 pounds. Price.....\$3.00

Cuts the Burr Out of Pipe or Tubing. Fits Common Bit Brace.



42R6063—Tempered Tool Steel Burring Reamers. For reaming pipe from

inch to 1 inch, also countersinking. Shipping weight, about 8 ounces.

Price.....

42R6064—For $\frac{1}{4}$ to $\frac{1}{2}$ -inch pipe. Shipping weight, about 8 ounces.

Price.....

42R6065—For 1 to 2-inch pipe. Shipping weight, about 3 pounds. Price.....\$2.30

Pipe Thread Reamers and Taps.

42R6062 Reamer.

42R6060 Tap.

Drill the hole, ream it out, tap it and screw in the pipe.

Reamers and taps are both made of tempered

tool steel and are the same price.

Size, inch..... $\frac{1}{8}$ $\frac{1}{4}$ $\frac{3}{8}$ $\frac{1}{2}$ $\frac{5}{8}$ $\frac{3}{4}$ $\frac{7}{8}$ $1\frac{1}{8}$ $1\frac{1}{4}$ $1\frac{3}{8}$ $1\frac{5}{8}$ $1\frac{7}{8}$ $2\frac{1}{8}$ $2\frac{3}{8}$ $2\frac{5}{8}$ $2\frac{7}{8}$ $3\frac{1}{8}$ $3\frac{3}{8}$ $3\frac{5}{8}$ $3\frac{7}{8}$ $4\frac{1}{8}$ $4\frac{3}{8}$ <math

Blacksmiths', Plumbers' and Pipefitters' Tools



Genuine
Trim Pipe
Wrench.

A very satisfactory, widely used pipe wrench. Grips the pipe but does not crush it, readily releasing its hold. Made of steel with hardened jaws. Movable jaw and nut are made with round top and bottom thread. Guaranteed not to strip or burr. Parts can be renewed at a small expense.

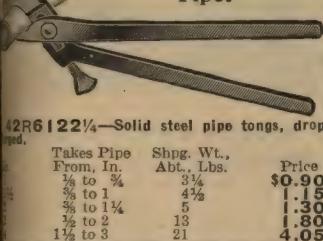
42R6147

Length,	Takes	Shpg.	Price
Open	Pipe, In.	Wt. Abt.	
6 in.	2 $\frac{1}{2}$ to $\frac{1}{2}$	$\frac{1}{2}$ lb.	\$0.90
8 in.	2 $\frac{1}{2}$ to $\frac{3}{4}$	1 lb.	1.00
10 in.	2 $\frac{1}{2}$ to 1	2 $\frac{1}{2}$ lbs.	1.12
14 in.	2 $\frac{1}{2}$ to $1\frac{1}{2}$	3 $\frac{1}{2}$ lbs.	1.58
16 in.	2 $\frac{1}{2}$ to 2	6 lbs.	2.25
21 in.	1 $\frac{1}{2}$ to $2\frac{1}{2}$	10 lbs.	3.25
26 in.	1 $\frac{1}{2}$ to $3\frac{1}{2}$	15 lbs.	6.00
48 in.	1 to 5	60 lbs.	9.00

Automatic Pipe
Wrench.

42R6150—Grips pipe without adjustment. Made of drop forged steel with polished head. Length, in., 10 14 18 24. Pipe, in., $\frac{3}{8}$ to 1 $\frac{1}{2}$ to $1\frac{1}{2}$ to 2 $\frac{1}{2}$ to 3 $\frac{1}{2}$. Shipping wt., abt. lbs., .95c \$1.40 \$2.00 \$2.75

Tongs for Turning
Pipe.



Takes Pipe	Shpg. Wt.,	From, In.	Abt., Lbs.	Price
$\frac{1}{2}$ to $\frac{3}{4}$	$\frac{3}{4}$	$\frac{3}{4}$	3 $\frac{1}{2}$	\$0.90
$\frac{3}{4}$ to 1	4 $\frac{1}{2}$			1.15
$\frac{3}{4}$ to $1\frac{1}{4}$	5			.30
$\frac{3}{4}$ to 2	13			.80
$1\frac{1}{4}$ to 3	21			4.05

Chaining Pipe Vise.

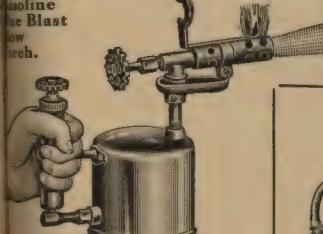


The Chainrip Pipe Vise is one of the simplest but most efficient tools of its kind because there are no complicated parts to get out of order. The bolt lugs in the base permit the vise to be moved around the shop, turn the nut on the eyebolt clamp support, tension on the support chain relaxes, untighten the chain and the vise is loose.

The Chainrip Vise is very easy to use, gripping the chain around the pipe, which rests in the toothed jaw. Hook the chain in the socket, push the lever and the vise is securely locked. To loosen the pipe, pull out the lever and unhook the chain, and it comes off easily.

42R6169

Pipe, in.	Weight	Price
$\frac{1}{2}$ in. to $2\frac{1}{2}$ in.	14 lbs.	\$6.65



With soldering copper attachment.

Quickly.

42R1770—Capacity, 1 pint.

Shipping weight, about $4\frac{1}{2}$ lbs.

\$4.25

42R1771—Capacity, 1 quart.

Shipping weight, about $5\frac{1}{2}$ pounds.

\$4.65

A Pipe and Monkey Wrench All in One



Genuine Bemis & Call's Nut and Pipe Wrench.

With wrought bar and casehardened jaws and adjusting nut. Parts easily replaced furnished with long adjusting nut.

42R6164—10-inch, takes pipe $\frac{1}{2}$ to 1 inch in diameter. Shipping wt., about $2\frac{1}{2}$ pounds. Price, \$1.90

12-inch, takes pipe $\frac{1}{2}$ to $1\frac{1}{2}$ inches in diameter. Shipping weight, about 4 lbs. Price, \$2.15

15-inch, takes pipe $\frac{1}{2}$ to $2\frac{1}{2}$ inches in diameter. Shipping weight, about $5\frac{1}{2}$ lbs. Price, \$3.05

Genuine Bemis & Call's Short Nut Wrench.

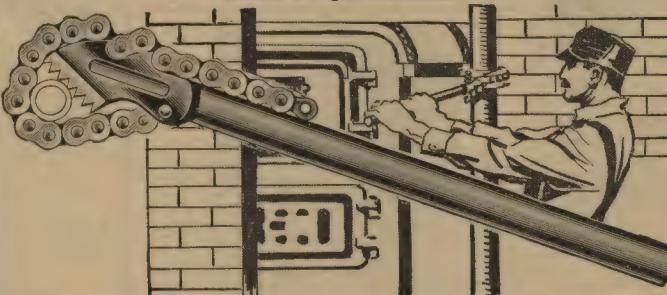
42R6165—Same as 42R6164 at left, except furnished with short adjusting nut instead of long.

Length, 10 inches. Shipping wt., about $2\frac{1}{2}$ pounds. Price, \$1.75

Length, 12 inches. Shipping wt., about $3\frac{1}{2}$ pounds. Price, \$1.95

Length, 15 inches. Shipping wt., about 5 pounds. Price, \$2.75

They Hold Tight and Withstand the Strain. Brock's Pipe Wrench.



Forged from bar steel, with removable jaw. Chain made of special steel. Teeth are milled and tempered.

42R6167— $\frac{1}{2}$

Size 1. Will hold pipe $\frac{1}{4}$ to 2 inches; length, 20 inches. Shipping weight, about 5 pounds. Price, \$2.65

Size 2. Will hold pipe $\frac{1}{4}$ to 3 inches; length, 27 inches. Shipping weight, about 9 pounds. Price, \$3.85

Size 3. Will hold pipe $\frac{1}{4}$ to 6 inches; length, 37 inches. Shipping weight, about 24 pounds. Price, \$5.90

Gasoline Brazing Torch.

With soldering copper attachment. Heavily constructed. Neat compact design. No pump. Pressure created by gasoline vaporizing. Gives 1,800 degree heat under proper conditions. Suitable for all purposes for which an intense heat is required. Can be held in any position. Copper plated steel container with oxyacetylene welded joints; adapted for rough usage. Capacity, $\frac{3}{4}$ pint. Shipping weight, about $4\frac{1}{2}$ pounds.

42R1772—Price \$5.90

Combination Gasoline Furnace.



Plumber's Gasoline Blast Furnace and Camp Stove.

Easy to generate. Compact, well made and reliable. Lift off top and furnace makes a very satisfactory camp stove etc. Produces a hot blue flame. Melts lead or solder quickly. Made of steel. Reservoir has welded seams. Shipping weight, about 12 pounds.

42R1767—Price \$4.95

Melting Pot not included in above price.

for cooking, frying, etc. Produces a quick blue flame. Melts lead or solder quickly. Made of steel. Reservoir has welded seams. Shipping weight, about 12 pounds.

42R1768—Price \$4.95

Melting Pot not included in above price.

Melting Pot. To fit 42R1767 and 42R1768 Furnaces. Shipping weight, about 4 pounds.

42R1769 52c

3-inch ladle fits Melting Pot 42R1768.

42R1770—Wrought Iron, with two pouring lips.

Size across bowl, inches 3 4 5
Shipping weight, about 12 oz. 1 lb. 1 $\frac{1}{2}$ lbs.

Price 45c 52c 60c



Stillson
Pipe Wrench.

An old, reliable pipe wrench used by plumbers and steamfitters everywhere. Made of good quality tool steel, nicely finished; 6 and 8-inch wrenches fitted with wood handle; 10, 14, 18, 24, 36 and 48-inch fitted with steel handle. These Stillson wrenches are high grade in every respect, made to stand hard and rough usage.

42R6169

Length,	Takes	Shpg. Wt.,	Abt., Lbs.	Price
Open	Pipe, In.			
6 in.	$\frac{1}{2}$ to $\frac{1}{2}$	$\frac{1}{2}$	1	\$0.90
8 in.	$\frac{1}{2}$ to $\frac{3}{4}$	$\frac{3}{4}$	1 $\frac{1}{2}$	1.00
10 in.	$\frac{1}{2}$ to 1	1	2	1.12
14 in.	$\frac{1}{2}$ to $1\frac{1}{2}$	3 $\frac{1}{2}$	3	1.58
16 in.	$\frac{1}{2}$ to 2	6	5	2.25
21 in.	$\frac{1}{2}$ to $2\frac{1}{2}$	10	9	3.25
26 in.	$\frac{1}{2}$ to $3\frac{1}{2}$	15	15	6.00
48 in.	1 to 5	60	60	9.00

The Tool for Home, Shop or Garage.



Holds material of any shape, square, round or oval. Length, 7 inches. Drop forged steel. Shpg. wt., 1 lb.

42R6138—Price 80c

Handy Adjustable Wrenches.



For gripping pipe, bolts, rods, etc. Well made with jaws and nut of steel. Length, 6 inches. Takes pipe $\frac{1}{2}$ to $\frac{3}{4}$ inch. Shipping weight, about 8 ounces.

42R6146—Price 72c

Length, 8 inches. Takes pipe $\frac{1}{4}$ to $\frac{3}{4}$ inch. Shipping wt., about 1 lb. Price, 88c

Length, 10 inches. Takes pipe $\frac{1}{4}$ to 1 inch. Shipping wt., abt. 2 lbs. Price, \$1.12

Length, 12 inches. Takes pipe $\frac{1}{8}$ to $\frac{1}{2}$ inch. Shipping wt., about $3\frac{1}{2}$ lbs. Price, \$1.42

42R6144—Price 94c

Hercules Chain Wrench.



Has a double set of jaws with teeth slanted so as to allow it to take an immediate hold on pipe, and also force jaws against handle instead of spreading them. All parts interchangeable. Made of wrought steel.

42R6168— $\frac{1}{2}$

Size 1 2 3
Length, inches 20 27 45

Will hold pipe, in. $\frac{1}{2}$ to $1\frac{1}{2}$ $\frac{3}{4}$ to 3 $\frac{3}{4}$ to 6

Shpg. wt., abt. lbs. 5 14 24

Price \$2.95 \$4.10 \$7.45

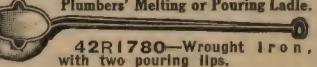
Gasoline



Flat Blow Torch. With soldering copper attachment. Takes but little space in your automobile tool box or plumber's tool kit. Made flat, for use in narrow or close places. Made of brass, with steel conductor tube and needle valve. Has double check pump and bracket to prevent tipping. Size, about 7x9x2 inches. Capacity, 1 pint. Shipping weight, about 6 lbs.

42R1776—Price 36.60

Plumber's Melting or Pouring Ladle.



Size across bowl, inches 3 4 5

Shipping weight, about 12 oz. 1 lb. 1 $\frac{1}{2}$ lbs.

Price 45c 52c 60c

3-inch ladle fits Melting Pot 42R1768.

42R1780—Wrought Iron, with two pouring lips.

Size across bowl, inches 3 4 5

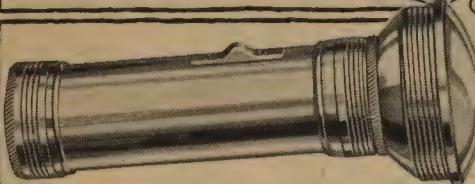
Shipping weight, about 12 oz. 1 lb. 1 $\frac{1}{2}$ lbs.

Price 45c 52c 60c

Sears, Roebuck and Co. Chicago 21093



EVEREADY DAYLOS

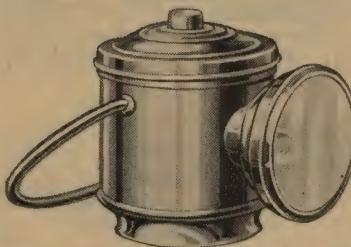


Eveready Large Lens Nickel Plated Daylos.

Large reflector and lens, $2\frac{1}{2}$ inches in diameter, increases candle power and spreads light. Non-short circuit case. Shipping weight, 2 pounds and $2\frac{1}{4}$ pounds, respectively.

Catalog No.	Diameter, Inches	Lghth., In.	Battery	Price	Extra Battery No.	Extra Lamp No.
6R8964	$1\frac{1}{2}$	6 $\frac{1}{4}$	2-cell	\$2.20	6R9090	6R8807
6R8968	$1\frac{1}{2}$	9	3-cell	2.60	6R9005	6R8805

Extra lamps and batteries below.



Tungsten Search Lantern.

6R8975—Throws light over large area. Good reflector, and with its five-cell battery makes an ideal lantern for watchman, yacht, motor boat and household use. Nickel plated, $5\frac{1}{2}$ inches high. Switch conveniently located on top. Lens, 3 inches in diameter. Large bail, convenient to carry on arm. Shipping weight, 4 pounds.

Price, complete with five-cell Tungsten battery.....\$6.00

3R9010—Extra Five-Cell Tungsten Battery for search lantern. Diameter, $3\frac{1}{2}$ inches; height, 3 inches. Shipping weight, $1\frac{1}{2}$ pounds.

Price, each.....\$8.00

For extra lamps see 6R8816 listed below.

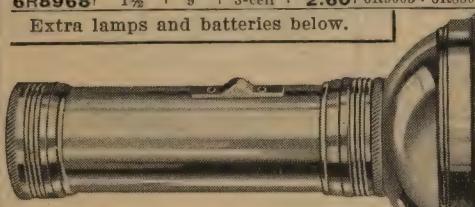


Eveready Large Lens Daylos.

Black fiber non-short circuiting case. The $2\frac{1}{2}$ -inch lens and reflector improve light. Diameter of case, $1\frac{1}{2}$ inches. Trimings are nickel plated. Throws light over a wider area than a straight tubular type. Switch constructed to give flashes or continuous light.

Catalog No.	Shpg. Wt., Lbs.	Lghth., In.	Battery	Price	Extra Battery No.	Extra Lamp No.
6R8950	$1\frac{1}{2}$	6 $\frac{1}{4}$	2-cell	\$1.68	6R9090	6R8807
6R8953	$1\frac{1}{2}$	9	3-cell	2.00	6R9005	6R8805
6R8952	$2\frac{1}{2}$	13	5-cell	3.00	6R9015	6R8815

Extra lamps and batteries below.



Eveready Extra Large Lens Daylos.

The Daylo shown above has brass, non-short circuit case, nickel plated. Extra large reflector and lens, 3 inches in diameter, throws light much farther than ordinary size. Shipping weights, $1\frac{1}{2}$ pounds and $2\frac{1}{2}$ pounds, respectively.

Catalog No.	Diameter, Inches	Lghth., In.	Battery	Price	Extra Battery No.	Extra Lamp No.
6R8954	$1\frac{1}{2}$	6 $\frac{1}{4}$	2-cell	\$3.12	6R9090	6R8807
6R8955	$1\frac{1}{2}$	9	3-cell	3.60	6R9005	6R8805

Extra lamps and batteries below.



Eveready Vest Pocket Daylos.

Very convenient for vest pocket or ladies' pocket-book. Polished nickel plated case with hinged bottom. Three sizes. Shipping weights, 5, 6 and 7 ounces, respectively.

Catalog No.	Size, Inches	Price	Extra Battery No.	Extra Lamp No.
6R8900	$\frac{3}{4} \times 1\frac{1}{4} \times 2\frac{1}{2}$	\$0.88	6R9090	6R8806
6R8902	$\frac{3}{4} \times 1\frac{1}{2} \times 3$.88	6R9050	6R8801
6R8903	$\frac{3}{4} \times 2 \frac{1}{2} \times 3$	1.12	6R9051	6R8802

Extra lamps and batteries below.



Eveready Daylos.

Above light excellent around motor cars, motor boats, wherever hands are likely to be oily or wet. Brass non-short circuit case, nickel plated.

Catalog No.	Diameter, Inches	Length, Inches	Shpg. Wt., Lbs.	Price	Extra Battery No.	Extra Lamp No.
6R8958	$1\frac{1}{2}$	$5\frac{1}{4}$	$\frac{7}{8}$	\$1.40	6R9091	6R8806
6R8960	$1\frac{1}{2}$	$6\frac{1}{4}$	$1\frac{1}{2}$	1.60	6R9090	6R8807
6R8962	$1\frac{1}{2}$	9	$1\frac{1}{4}$	2.00	6R9005	6R8805

Extra lamps and batteries below.



Eveready Coat Pocket Daylo.

6R8938—Metal case, covered with black cloth. Nickel plated trimmings. Size, $1\frac{1}{2} \times 3\frac{1}{2} \times 3\frac{1}{2}$ inches. Triple cell battery. Shipping weight, 12 ounces.

Price, with Tungsten battery.....\$1.20

For extra batteries see 6R9003, and for extra lamps see 6R8804.

Batteries

You will find listed below genuine EVEREADY TUNG-STEEN Batteries, a high grade, widely advertised line. We suggest the purchase of an extra battery. You will appreciate having one available when the first one has served its usefulness. Satisfactory service guaranteed.

Flat.

6R9000—Tungsten Double Cell Battery, $\frac{1}{8}$ inch thick, $1\frac{1}{2}$ inches wide, $1\frac{1}{2}$ inches high. Shipping wt., 2 oz. Price.....\$2.00

6R9003—Tungsten Triple Cell Battery, $\frac{1}{8}$ inch thick, $2\frac{1}{2}$ inches wide, $2\frac{1}{2}$ inches high. Shipping weight, 6 ounces. Price.....36c

6R9050—Tungsten Double Cell Battery, $\frac{1}{8}$ inch thick, $1\frac{1}{2}$ inches wide, $2\frac{1}{2}$ inches high. Shipping weight, 8 ounces. Price.....32c

6R9051—Tungsten Triple Cell Battery, $\frac{1}{8}$ inch thick, 2 inches wide, $2\frac{1}{2}$ inches high. Shpg. wt., 4 oz. Price.....36c



6R9006—Tungsten Double Cell Tubular. Fits Pen Light and Pistol Light 57N682 and 57N681. Diameter, $\frac{1}{8}$ inch; length, 4 inches. Shpg. wt., 3 oz. Price.....28c

6R9091—Tungsten Double Cell Tubular. Diameter, 1 inch; length, 3 $\frac{1}{2}$ inches. Shipping weight, 4 ounces. Price.....31c

6R9090—Double Cell Tubular. Diam., $\frac{1}{8}$ in.; length, 4 $\frac{1}{2}$ in. Shpg. wt., 8 oz. Price.....32c

6R9005—Three - Cell Tubular. Diam., $\frac{1}{8}$ in.; length, 7 in. Shpg. wt., 12 oz. Price.....48c

6R9015—Five - Cell Tubular Battery. Diam., $\frac{1}{8}$ in.; length, 11 $\frac{1}{2}$ in. Shpg. wt., 14 lbs. Price.....80c



6R8800
Mazda Lamp, 2.5 volts,
 $\frac{3}{4}$ -candle power.

6R8801
Mazda Lamp, 2.5 volts,
1-candle power.

6R8802
Mazda Lamp, 3.8 volts,
 $\frac{1}{2}$ -candle power.

6R8803
Mazda Lamp, 2.7 volts,
1-candle power.

6R8804
Mazda Lamp, 3.8 volts,
 $\frac{1}{2}$ -candle power.

6R8805
Mazda Lamp, 3.8 volts,
1-candle power.

6R8806
Mazda Lamp, 2.7 volts,
1-candle power.

6R8807
Mazda Lamp, 2.9 volts,
1-candle power.

6R8809
Mazda Lamp, 4 volts
1 $\frac{1}{2}$ -candle power.

6R8816
Mazda Lamp, 6.2 volts
2-candle power.

Average shipping weight, any above lamps, 2 ounces.

Price, each, 20c; 10 for.....\$1.50

Be sure to give catalog number of lamp wanted.

Lamps

We offer genuine MAZDA Flash Light Lamps, which are high grade. Mazda lamps give a good light. The actual candle power of the lamps, as stated below, is magnified by the reflector and lens of the flash lights. It is advisable to have an extra lamp available.

6R8800
Mazda Lamp, 2.5 volts,
 $\frac{3}{4}$ -candle power.

6R8805
Mazda Lamp, 3.8 volts,
1 $\frac{1}{2}$ -candle power.

6R8806
Mazda Lamp, 2.7 volts,
1-candle power.

6R8807
Mazda Lamp, 2.9 volts,
1-candle power.

6R8809
Mazda Lamp, 4 volts
1 $\frac{1}{2}$ -candle power.

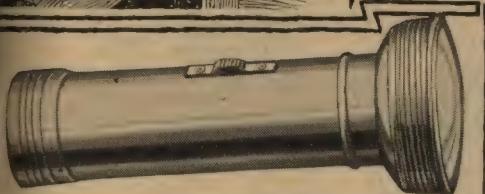
6R8816
Mazda Lamp, 6.2 volts
2-candle power.

Average shipping weight, any above lamps, 2 ounces.

Price, each, 20c; 10 for.....\$1.50

Be sure to give catalog number of lamp wanted.

SHURITE ELECTRIC FLASHLIGHTS



Large Lens SHURITE Flash Light.

Miners' Type Nickel Plated Tubular Light.
Same as 6R8924 to the right, but made of brass; reflector lens measures 2½ inches in diameter and spreads the light over a large area. Diameter of case, 1½ inches.

Catalog No.	Lghth. In.	Battery	Shpg. Wt. Lbs.	Price	Extra Battery No.	Extra Lamp No.
6R8931	6¾	2-cell	2	\$1.87	6R9062	6R8807
6R8932	9	3-cell	2½	2.21	6R9060	6R8805

Extra batteries, see below. Extra lamps, page 1246.



Get This Popular Double Cell Lantern.

Strong steel case. Has both bail and grip handles. Latter fold flush with body in back. Heavy lens gives bulls-eye effect. Reflector is nicely finished. Switch located conveniently in back. Black finish with nickel plated trimmings, 7½ inches high, 5½ inches wide and 4 inches thick. Requires two standard 2½x6-inch dry cells.

6R8993—Popular Double Cell Lantern, complete without batteries. Shipping weight, 3 pounds. Price.....\$1.60

6R8994—Popular Double Cell Lantern, complete with two dry cells. Shipping weight, 7 pounds. Price.....\$2.27
For extra batteries, see 6R8635 on page 1251.
For extra lamps, see 6R8815 below.

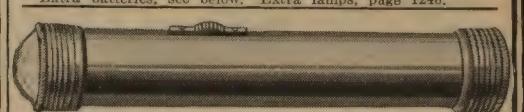


Miners' Type SHURITE Flash Light.

Black fiber case with nickel plated trimmings. Large reflector and good lens, measuring 2½ inches in diameter. Gives excellent light and spreads it over a large area. Two lengths. Diameter of case, 1½ inches.

Catalog No.	Lghth. In.	Battery	Shpg. Wt. Lbs.	Price	Extra Battery No.	Extra Lamp No.
6R8924	6¾	2-cell	1½	\$1.43	6R9062	6R8807
6R8925	9	3-cell	1½	1.70	6R9060	6R8805

Extra batteries, see below. Extra lamps, page 1246.

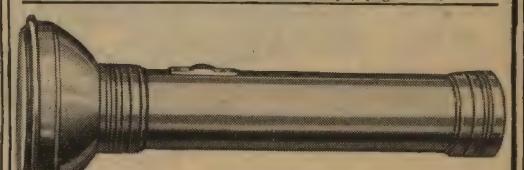


Nickel Plated SHURITE Flash Light.

Non-Short Circuit Tubular Light, made with brass case, nickel plated and polished. A handsome flash light, much used around motor cars, motor boats and shops where the hands of the user are likely to be oily or wet. Three sizes. Diameter of cases, 1½, 1¾ and 1½ inches.

Catalog No.	Lghth. In.	Battery	Shpg. Wt. Lbs.	Price	Extra Battery No.	Extra Lamp No.
6R8927	5½	2-cell	¾	\$1.19	6R9063	6R8806
6R8928	6¾	2-cell	1½	1.70	6R9062	6R8807
6R8929	9	3-cell	1½	1.70	6R9060	6R8805

Extra batteries, see below. Extra lamps, page 1246.



Large Flash Light.

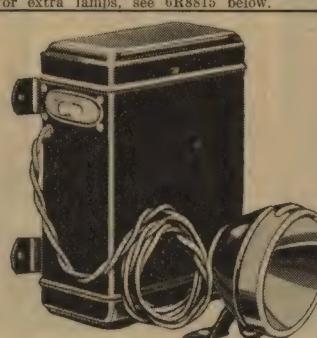
6R8934—A large flash light giving a splendid light. Nickel plated polished case, with lens 3 inches in diameter. Case, 1½ inches in diameter by 9 inches long. Triple cell battery. Shipping weight, about 3 pounds.

Price, complete with Shurlite battery.....\$3.06

6R8935—Same as above, but made with black fiber case and nickel plated trimmings.

Price, complete with Shurlite battery.....\$2.89

For extra batteries, see 6R9060 below. Extra lamps, see 6R8805 on page 1246.



Get This Electric Vehicle Light.

When driving at night see the road ahead and warn those behind. Outfit consists of steel battery case and high grade lamp, having 3¾-inch reflector, 1¾-inch deep red lens in rear. Black finish, nickel plated trimmings. Switch controls light. Brackets for mounting. Case, 7×5×2¾ inches. Will hold two No. 6 dry cells. Ten feet of wire furnished.

6R8999—Vehicle Light. Complete, without batteries. Shipping weight, 2½ pounds.

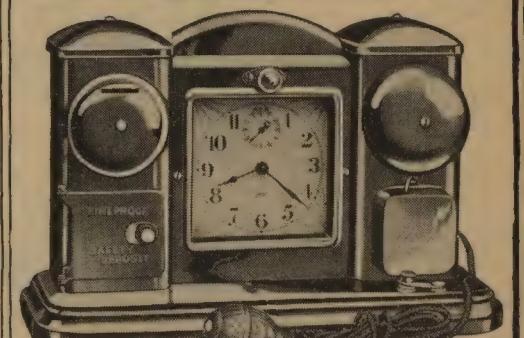
Price.....\$2.48

6R8978—Vehicle Light. Complete, with two dry batteries. Shipping weight, 9 pounds.

Price.....\$3.15

For extra batteries, see 6R8635 on page 1251.

For extra lamps, see 6R8815 below.



Electric Alarm Clock.

6R8628—Compartment to right contains battery. Left side is savings bank with combination lock. Push button for light. Nickel plated case, 12½ inches wide by 7¾ inches high. Shipping weight, 11 pounds.

Price, complete with battery.....\$6.85

Extra batteries and lamps, see 6R8635 on page 1251 and 6R8810 at left.



For extra lamp, see 6R8810 at the left. For extra battery, see 6R8635 page 1251.

Schlitz Flash Light Batteries.

Our Own Brand of High Grade Batteries.

6R9060—Schlitz Triple Cell Battery. Diameter, 1¾ inches; length, 7 inches. Fits the same flash lights as 6R8905, page 1246. Shipping weight, 12 ounces. Price.....\$3.80

6R9062—Schlitz Double Cell Tubular Battery. Diameter, 1¾ inches; length, 4¾ inches. Fits the same flash lights as 6R8909, page 1246. Shipping weight, 8 ounces.

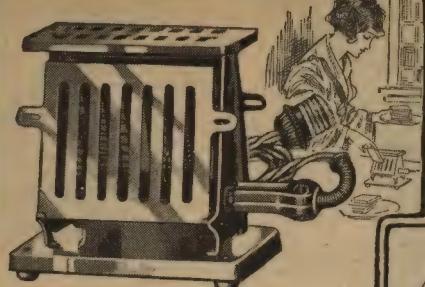
Price.....\$2.60

6R9063—Schlitz Double Cell Tubular Battery. Diameter, 1 inch; length, 3¾ inches. Fits the same flash lights as 6R8901, page 1246. Shipping weight, 4 ounces. Price.....\$2.50

Mazda Lamps.

6R8810—Mazda Lamp, 1½ volts, ¾-candle power. \$0.20
6R8815—Mazda Lamp, 2.9 volts, 1-candle power. 1.50
6R8803—Mazda Lamp, 2.7 volts, 1-candle power. Shipping weight, 2 ounces. Price, each.....\$0.20
10 for.....\$1.50

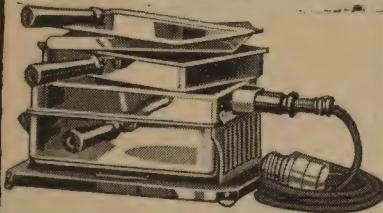
Be sure to give number of lamp wanted.



"Flip Flop" Toaster.

Bread can be turned in toaster without removing. Finished in polished nickel plate. Top makes excellent warming rack. Height, 6½ inches. Operates on electric current of 105 to 115 volts (usual city current). Six feet of cord and plug included. Shipping weight, about 4 lbs.

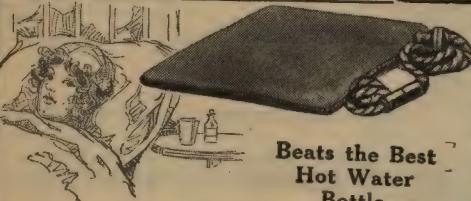
6R8026—"Flip Flop" Toaster. \$6.45
Price.....



Combination Grill.

Attractive combination griddle frying pan and broiler, made of steel, nickel plated. Cool gray finished handles. Depth of frying pan, 1½ inches; of broiler, 2 inches; of griddle, ¾ inch. Heating surface, 7½x1½ inches. Base of black finished steel, 6½x10 inches. Six feet of flexible cord and plug. Operates on any electric light circuit with usual city current of 105 to 115 volts. Shipping weight, about 6 pounds.

6R8031—Combination Grill. \$7.50
Price.....



Beats the Best Hot Water Bottle.

This electric heating pad remains hot until you turn off current. Heat may be controlled low to high to suit. Outside covering of soft material. Size, 10x12 inches. Furnished with 9 feet of cord and plug. Operates on ordinary city current of 105 to 115 volts. Shipping weight, about 3 pounds.

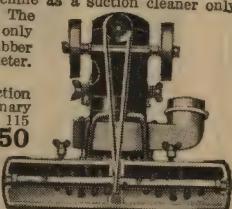
6R8057—Comfort Heating Pad. Price..... \$5.00

Combination Suction Cleaner and Sweeper

This machine goes the vacuum cleaner one better, the motor driven brush sweeping up tight clinging lint and brushing up heavy dirt which might otherwise cling even under strong suction. Nozzle, with its 11½x1¾-inch opening, rests directly on the rug and carries a protector guard to prevent marring the furniture. The brush, as shown below, is driven by a belt from the motor. (Illustration shows belt exposed, but it is completely covered by a cap.) A small lever throws brush gears out of mesh without stopping motor, allowing use of machine as a suction cleaner only. The body is black finished steel. The whole machine is light, weighing only 11 pounds, and is equipped with rubber tired wheels, ¾ inches in diameter. Shipping weight, about 15 lbs.

6R9807½—Combination Suction and Brush Cleaner, for use on ordinary city alternating current of 105 to 115 volts. Price (shipped from factory, all charges prepaid). \$49.50

6R9806½—Cleaner, same as above, but for 32-volt current. Price, shipped prepaid..... \$50.00



Attachments for Cleaner 6R9807½.

Will enable you to thoroughly clean furniture, bedding, clothes, walls and wall hangings. For blowing as well as sucking out dirt. Full directions furnished.

6R9816½
Set of eight attachments, shown at left. \$8.00

Shipping weight, about 8 pounds. Price.....

Home Helps Operated by Electricity



Large Electric Fans.

Quiet running; ideal for home or office. Can either be set upright or screwed to wall, etc., like a bracket. We list two styles, straight and oscillating. The oscillating automatically moves from side to side, throwing breeze to various parts of room. Both styles operate on alternating current of 105 to 115 volts (usual city current).

	Blades	Diam. In.	Type	Shpg. Wt.	Price
6R8854½	4	9	Straight	12 lbs.	\$13.15
6R8855½	4	9	Oscillating	25 lbs.	18.95
6R8856½	4	12	Straight	28 lbs.	22.00
6R8858½	6	12	Oscillating	34 lbs.	27.60
6R8859½	4	16	Straight	40 lbs.	25.95
6R8860½	6	16	Oscillating	50 lbs.	31.65
6R8861½	6	16	Oscillating	52 lbs.	32.40

Electric Fan, \$5.85.

Breeze can be thrown at nearly any angle desired. Fan can be hung on wall. Operates on usual city current of 105 to 115 volts. About 8 in. high, 7 in. wide, fan about 6 in. in diameter. 7 feet of cord and plug. Shpg. wt. about 3½ pounds.

6R8870

Complete with two-speed switch..... \$5.85

6R8869

Same construction and general appearance as 6R8870 except fan is about 9 in. in diameter. Shpg. wt. about 6 lbs. Price..... \$8.50

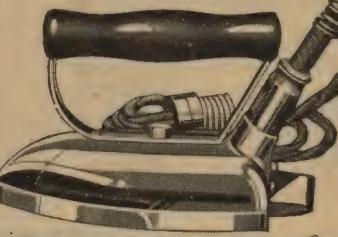


Electric Iron.

Attaches to any lamp socket. Weight 10 pounds. Six feet of cord and plug. Nickel plated wood handle. Well made, finished stand. Operates on usual city current of 105 to 115 volts. Shipping weight, about 10 lbs.

6R8037—Electric Iron. Price.....

\$5.40



"It Stands Anywhere" Electric Iron.

When not in use tilt iron back on built-in stand. Do not be bothered with a separate stand. Nickel plated with nicely finished wood handle. Operates on ordinary city current of 105 to 115 volts. Furnished with 6 feet of cord and plug. Wt. 6 lbs.; shipping wt. 7 lbs.

6R842—"It Stands Anywhere" Electric Iron. Price.....

\$5.50

6R8039—Iron, same as above, except equipped with plug for 32-volt current. Price.....

\$5.90

Make Sewing Easy With an Electric Sewing Machine Moto-



Motor is attached

your sewing

machine without marring machine in any way, and when not in use can be removed quickly. Attach plug to nearest lamp socket. Furnished with 9 feet 6 inches of cord. Speed easily regulated. Recommended for use in general household or domestic sewing. This motor will not run on dry batteries. Shipping weight, about 10 pounds.

6R9655½—Electric Sewing Machine Motor, complete, for 105 to 115 volt alternating (ordinary city) current. Price..... \$12.50

6R9659½

Electric Sewing Machine Motor, complete, for 30 to 32 volt private lighting plant current. Price..... \$12.75

Energex Electric Suction Cleaner \$30.00

105-115 volts. Energex is Our Own Trade Mark, Registered in U. S. Patent Office.

If your home is lighted by electricity, you can operate one of our electric cleaners from any lamp socket. With one of these light, easy rolling machines you can keep your rugs and carpets looking practically as clean as when they came home new and have very little dust.

Our Energex Electric Suction (Vacuum) Cleaner is a high grade machine. Body of steel, yet weighs only 12 pounds, easy to handle and move. Nozzle, 12 inches wide, has brush which loosens ravelings, threads, etc. Adjustable to thick or thin carpets. Body only 6½ inches high, easily gets under chairs and tables. Machine holds itself upright when not in use. Over all, 52½ inches. About 18 feet of electric cord furnished. Steel body, nickel plated and black finish. Shipping weight, about 15 pounds.

6R9810½—Energex Suction Cleaner for usual city alternating current of 105 to 115 volts. Price, complete.....

\$30.00

6R9811½—Cleaner for 30 to 32-volt private lighting plant current. Price.....

\$31.00

Attachments for Energex Cleaner.



6R9815½—Price, complete..... \$8.00

Bathroom and Kitchen Trimmings

42R1190—1-Inch Crystal Glass Towel Bar. Weights, 3½, 4 and 4½ lbs. Length, 18 in. \$1.55; length, 24 in. \$1.75; length, 30 in. \$1.85

42R1187—5-Inch Towel Bar. Shpg. wt., about 3 lbs. Length, 18 inches. 75c; length, 24 in. 82c; length, 30 in. 90c

42R1180—½-Inch Towel Bar. Shipping weights, 2, 2½ and 3½ pounds. Length, 15 inches. 42c; 18 inches, 45c; 24 inches. 52c

42R1224—¼-Inch Glass Shelf. Rounded edges. About 5x24 inches. Shipping weight, about 5½ pounds. Price \$1.30

42R868 Rubber Plug. Wt., about 3 ounces. 1 inch for wash basin, 14c; 1½ inch for bath tub, 15c

42R1155 Tumbler Holder. Shipping weight, 8 oz. Price, without tumbler. 42c

42R1169 Opal Tumbler. Fits any holder on page. Shpg. wt., 8 oz. 17c

42R1228—Toilet Paper Holder. With black enameled wood roller. Shpg. wt., abt. 6 oz. Paper not included. Price. 30c

42R1193 Nickel Plated Tooth Brush Holder, for six brushes. Shipping wt., about 3 oz. Price. 21c

42R1195—Mat, placed in bathtub to prevent slipping. Also very comfortable to feet and body. Good rubber with surface roughened, not perforated. Size, about 12x30 inches. Shipping wt., about 2½ lbs. Price. \$1.25

42R1241 Water Closet Brush. Bristles on heavy wire. Shipping wt., about 1 pound.

42R1240 Spray with Nickel Spray Head. Five feet white rubber hose and faucet connection. Shpg. weight, about 1 lb. Price. 72c

42R1242 Extra quality red rubber Spray with patent bulb to fit bath cock, otherwise as above. Shpg. wt., abt. 1 lb. Price. 90c

All trimmings shown on this page, unless otherwise described, are made of brass, nickel plated and polished. Nickel plated screws are included with all fixtures that fasten to the wall. For other bathroom hardware see page 1043.

42R1227—Opal Glass Shelf, ¾ inch thick, white enameled brackets. Weights, 5½ and 7 pounds. 5x18 inches. 5x24 inches. \$1.35

42R1230 ¼-Inch Glass Corner Shelf. Rounded edges, and bar. About 9x9 inches. 5x18 inches. 5x24 inches. \$1.05

42R1225—¼-Inch Glass Shelf, rounded edges, and bar. About 5x24 in. Shpg. wt., about 5½ pounds. Price \$2.35

42R1183—Crystal Glass Towel Bar, ¾ inch thick. Nickel plated brackets. Shipping weight, about 3 pounds. Length, 18 in. 85c; length, 24 in. 95c

42R1188—Curved Towel Bar, ¾ inch thick. Shipping wt., about 2½ lbs. Length, 18 inches. Price. 56c; Length, 24 inches. Price. 63c

42R1189—5-Inch Towel Bar, Shipping weights, about 2½, 2½ and 3½ pounds. Length, 18 in. 65c; length, 24 in. 70c; length, 30 inches. 80c

42R1192—Double Arm Towel Bar. Length, over all, about 12 inches. Shipping weight, about ½ pound. Price 70c

A Robe Hooks. 42R1115 Double. Each. \$0.12 Doz. 1.25

42R1110 Single. Each. \$0.09 Doz. 1.00

42R1111 Shpg. wt., each, abt. 2 oz.

42R1165—Bathroom Mirror. Bevel plate glass, mounted in nickel plated brass frame. Size, over all, about 12x20 inches. Shipping wt., about 10 lbs. Price. 55.60 For full line of mirrors see page 852.

42R1166 Combination Tumbler and Soap Holder.

Made of brass, heavily nickel plated. Shpg. wt., abt. 12 oz. Price. 85c

Tumbler 42R1169 at left. Price. 1.75

42R1170 Wall Soap, Tumbler and Tooth Brush Holder with removable glass dish and tumbler. Nickel plated. Shipping wt., about 8 oz. Price. 47c

Shpg. wt., abt. 2½ lbs. Price. 1.75

42R1153 Tumbler Holder with jewel hook. Nickel plated. Shipping wt., without tumbler. 47c

Shpg. wt., abt. 2½ lbs. Price. 1.75

42R1169 at left.

42R1142 Wall Soap Cup, with removable opal glass dish. Size, abt. 3½ x 5½ in. Shpg. wt., abt. 2 lbs. Price. 90c

42R1135—Comb and Brush Tray. Nickel plated. Size, about 4x10 in. Shpg. weight, about 12 ounces. Price 90c

42R1140—Soap Dish for rim of bathtub. Size, about 4x5 inches. Shpg. wt., abt. 12 oz. Price 55c

42R1130—Wall Soap Cup. Nickel plated. Size, about 2½ x 4½ inches. Shipping weight, about 4 oz. Price 21c

42R1141—Wall Soap Cup, with wash cloth hook. Nickel plated. Shpg. wt., abt. 8 oz. Price. 44c

42R1233—Toilet Paper Holder. Made of brass, heavily nickel plated. Shipping weight, about 9 ounces. Price (paper not included) 45c

42R1253—Bath Spray Brush. Can be used without a bathroom. Just fill bucket with water heated to any desired temperature. Then press bulb and water will flow through spray brush until pail is empty. It can also be attached direct to bathtub fixture. Rubber spray brush, 6 feet of rubber hose, complete with siphon ready for use. Shipping weight, 3½ pounds. Price. \$2.90

Bathtub Seat, made of oak in golden oak finish, or birch, white enameled. Steel rods nickel plated and rubber covered. Shipping weight, about 7½ pounds.

42R1222 Golden oak finish. 65c

42R1221 White enameled. 80c

42R1196—White Rubber Drain Board Mat. Both sides corrugated. Shipping wt., about 4 lbs. 15½ x 13½ inches. Price. 70c

16 x 18 inches. 55c

16 x 22 inches. 85c

18 x 18 inches. 75c

18 x 22 inches. 2.00

42R1249—Marvel Shower Bath. Easily attached to wall by two brackets. Hose slips over any bath cock. Complete with nickel plated rain head, 24-inch curtain ring, white duck curtain, rubber connecting tube, curtain chain and hook, waterproof cap for protecting hair, and four screws to fasten to wall. Shipping weight, about 12 lbs. Price. 9.50

42R1220—Combination Massage Brush and Spray. 3-inch brush, rubber teeth, perforated, producing shower effect. Five feet rubber tubing, aluminum faucet attachment. Shipping weight, 2 pounds. Price. \$1.75

Refer to Showers 42R1249, 42R1217, 42R1218 and 42R1220 on this page. When showers are used, it is necessary to have hose nozzle, as illustrated. Tell us if your faucet has a hose nozzle.

42R104 Radiator Brush

with long handle. For dusting between sections of radiators. Shipping weight, about 1 pound.

Price. 21c

Safety Razors



The Crosby Safety Razor.

Solid nickel silver frame. Six blades made from good grade cutlery steel. An excellent cutting, light weight razor. Shipping weight, 6 ounces.

6R6350—Complete with six blades. Price.....\$2c

6R6351—Extra Blades. Shipping weight, 2 ounces.

Per package of 5 blades.....24c



Improved Stoll Safety Razor.

Complete with twelve steel blades. It has a one-piece rigid nickel plated, sanitary frame, constructed to permit instantaneous removal of blades. Nickel plated knurled handle, also extra stropping handle. Packed complete in velvet lined case. A well made razor that we highly recommend. Shipping weight, 6 ounces.

6R6354—Price, complete.....96c

Gillette Safety Razor.

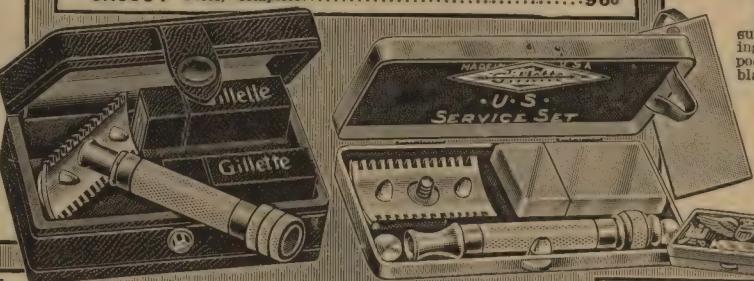
The well known Gillette Safety Razor. It has a three-piece frame with twelve double edge steel blades, all packed in a handsome velvet lined leather case. Shipping weight, 8 ounces.

6R6365—Price, complete.....\$3.65

Gillette Blades. Shipping weight, 1 ounce.

6R6366—Price, 6 for.....42c

We do not exchange old blades.



The Star Safety Razor.

The genuine Star Safety Razor, made by Kampfe Bros., New York. Improved frame, nickel plated, full concave blade. Shipping weight, 9 ounces.

6R6357—With one blade.....\$1.75

6R6358—With two blades.....2.50

6R6359—Extra Blades for above razor.

Shipping weight, 3 oz. Price, each.....78c

Gillette U. S. Service Set.

This new Gillette set is especially suited for soldiers, sailors or traveling men. Will fit in vest or breast pocket. Consists of razor, twelve blades in heavy metal container, and metal mirror with velvet lined back. Put up in a snug, velvet lined, nickel plated embossed metal box, 4 inches long, 1 1/8 inches wide and 5/8 inch thick with spring snap. Shipping weight, 12 ounces.

6R6367

Price, complete.....\$3.65
For extra blades
see 6R6366.

Gillette Combination Set.

Gillette razor, Rubberset brush, stick of Gillette shaving soap in holder, and 12 blades. Packed in handsome velvet-lined, seal grained leather case. Shipping weight, 1 pound.

6R6368
Price, complete.....\$5.98

Stoll Steel Safety Razor Blades.
Blades are of a tough, smooth cutting and responsive steel. Ground carefully and will fit the Stoll, Superior, Ever Ready, Gem, Gem Junior, Star, Yankee, Clark and many others. Shipping weight, 4 ounces.

6R6356—Price, per dozen blades.....54c

Steel Safety Razor Blades.
Tested Steel Blades, guaranteed to shave with satisfaction. Shipping weight, 2 ounces.

6R6373—Style No. 5. Fits Enders, Christy, Hoe and other razors. Price, 5 blades.....21c

6R6375—Style No. 4. Fits the Auto-Strop Razor. Price, 5 blades.....23c

6R6374—Style No. 8. Fits Mark Cross, Federal, Klaas, Clark's Jewel and O. V. B. razors. 5 blades.....22c

6R6372—Style No. 10. For Keen Kutter razors. Price, 5 blades.....24c

Star Safety Razor Outfit.

One Kampfe Bros. Star safety razor, two concave ground blades and one Star diagonal horsehide razor strop; also one Kampfe Bros. high grade automatic stropping machine. Velvetine lined, imitation morocco, hinged cover case. Shipping weight, 1 1/2 pounds.

6R6376—Price\$4.90

The New Two-Edge Automatic Stropper.

(For Gillette Blades Only.)

Frame of nickel plated steel, with patented attachment which automatically turns the blade and places it in the right position for sharpening. Correct diagonal stroke. Very simple and strong. We especially recommend this stropper. Shipping wt., 12 ounces.

6R6370—Price, \$1.79

As above, but for Stoll, Ever Ready, Gem, Star and other blades, except Durham Duplex.

6R6371—Price, \$1.78

Safety Razor Outfit.

Nickel plated safety razor, twelve blades, metal folding brush, stick of Williams' shaving soap in nickel plated box and unbreakable steel mirror. Put up in khaki cover. Shipping weight, 10 ounces.

6R6380—Price\$2.10

6R6300

Wilbert Barber's High Quality Set-In-Rubber Brush. Large size, selected white bristles. Rock maple handle, 2 1/2 in. long. Bristles are 2 1/2 in. long and vulcanized in rubber cement. Full length, about 6 inches. Shipping weight, 6 ounces.

6R6300—Each.....86c

6R6312

Fancy Handle Lily White Bristle Brush, with white bone handle, ferrule of horn. Length of bristles 2 1/2 inches. Length of entire brush, about 5 inches. Diameter of ferrule, 5/8 inch. Shipping wt., 2 oz.

6R6312—Price46c

6R6332

Genuine Rubberset Shaving Brush. Good quality lily white bristles, 2 inches long; celluloid ferrule, with rosewood handle. Entire length, about 4 1/2 inches. Shipping weight, 5 ounces.

6R6332—Price78c

6R6318

Genuine Rubberset Brush. White bristles, 2 inches long, vulcanized in rubber cement; black hard celluloid ferrule, white celluloid handle. Entire length, about 5 inches. Shipping weight, 5 ounces.

6R6318—Price66c

6R6333

Star Set-In-Rubber Brush. White bristles, 1 1/2 inches; nickel plated ferrule; ebony finish handle. Entire length, about 4 1/2 in. Shpg. wt., 4 oz.

6R6333—Price24c

6R6306

Lily White Bristle Set-In-Rubber Brush, with white celluloid ferrule and ebony finish handle. Bristles, 2 1/2 inches long. Entire length, about 5 inches. Shipping weight, 5 ounces.

6R6306—Price, 63c

6R6334

Price84c

A First Quality, Good Size Brush.

Mixed Bristle, set in rubber. Hair, 2 1/2 inches. Black celluloid handle, black celluloid ferrule. Entire length, about 5 1/2 inches. Shipping weight, 6 ounces.

6R6320—Price\$1.05

Fine Grade White Bristle Set-In-Rubber Brush. First quality bristles, 2 1/2 inches long, guaranteed not to shed. Celluloid ferrule, celluloid handle. Entire length of brush, about 5 inches. Shipping weight, 5 ounces.

6R6310—Price79c

6R6320

A Fair Grade Brush. Metal ferrule, nickel plated. Mixed bristles, 2 inches long. Diameter at ferrule, 1 1/2 inches. Entire length, about 4 1/4 inches. Shipping weight, 5 ounces.

6R6301—Price25c

6R6310

Mixed Badger Brush. Set in rubber cement with white celluloid handle; black ferrule. Length bristles, 2 1/2 inches; entire length, about 5 in. Shipping weight, 5 ounces.

6R6302—Price52c

6R6301

Midget Mixed Badger Brush. Sufficiently large to work properly; has not the bulk some object to. Horn ferrule, cocobolo handle; length over all, about 3 1/2 inches; diameter ferrule, 7/8 inch. Shpg. wt., 3 oz.

6R6314—Price58c

6R6302

Mixed Badger Brush. Hair, 1 1/2 inches long. Tapered celluloid ferrule, fancy white bone handle. Length, about 5 1/2 inches. Shipping wt., 5 oz.

6R6313—Price85c

6R6314



Quality

Razors

Barbers' "New Comfort" Razor.

Blade—Razor steel, $\frac{5}{8}$ -inch square point.
Tang—Plain.
Grinding—Full hollow.

Handle—Flat white celluloid.
Recommended for barbers' use.
Shipping wt., 5 oz.
6R6414
Price .. \$1.90

Barbers' Concave Razor.
Blade—English steel, $\frac{5}{8}$ -inch square point.
Tang—Plain.
Grinding—Full hollow.
Handle—Celluloid, with nickel silver tips.
Shipping weight, 5 ounces.
6R6422—Price \$2.10
6R6426—As above, but with black rubber handle, with nickel silver tips... \$2.45

Fair Grade Razor.

Blade—A fair grade of steel.
Tang—Plain.

Grinding—One-half hollow.
Handle—Black rubber.
Shipping weight, 5 ounces.

6R6445—Price 65c

The "Famous" Barbers' Razor.

Blade—English steel, $\frac{5}{8}$ -inch square point.
Tang—Plain.

Grinding—Full hollow.
Handle—Flat black rubber.
A satisfactory low priced razor. Shpg. wt., 5 oz.

6R6431—Price \$1.18

"Chrome" Brand Razor.

Blade—Razor steel, $\frac{5}{8}$ -inch round point.
Tang—Plain.

Grinding—Three-quarters hollow.
Handle—Black rubber.
A good razor for private use. Shpg. wt., 5 oz.

6R6443—Price \$1.90

Felt Oil Pad Razor.

Blade—High grade steel, $\frac{5}{8}$ -inch square point.

Tang—Plain.

Grinding—Three-quarters hollow.
Handle—Flat black rubber.
Inside of handle is lined with felt pads saturated with an oil which protects the sensitive edge of the blade from rust. Contains of oil with razor. Shipping weight, 5 ounces.

6R6403—Price \$2.55

Reliable

Wilbert Reliable Razor.

Blade—Good steel, $\frac{5}{8}$ -inch hollow point.

Tang—Plain.

Grinding—One half hollow.
Handle—Celluloid, closely resembling tortoise shell. Shipping weight, 5 ounces.

6R6421—Price 89c

Elite

"Elite" Razor.

Blade—English steel, $\frac{5}{8}$ -inch square point.

Tang—Fancy gilded.

Grinding—Three-quarters hollow.

Handle—White celluloid with artistic gilt decoration. Shipping weight, 5 ounces.

6R6434—Price \$2.20

SPECIAL

Special Hollow Ground Razor.

Blade—English steel, $\frac{5}{8}$ -inch square point.

Tang—Plain.

Grinding—Full hollow.

Handle—Flat black rubber, stamped in gilt letters as illustrated. Shipping weight, 5 ounces.

6R6430—Price \$1.95

"Golden Shaver" Razor.

Blade—First quality steel, $\frac{5}{8}$ -inch needle point.

Tang—Fancy gilt.

Grinding—Full hollow.

Handle—Transparent ruby color celluloid.

For barbers' use. Shipping weight, 5 ounces.

6R6439—Price \$1.97

6R6440—Same as above, with $\frac{5}{8}$ -inch square point blade; for private use. Price..... \$1.98

"Midget" Extra Light Weight Razor.

Blade—Razor steel, $\frac{5}{8}$ -inch square point.

Tang—Plain, very narrow.

Grinding—Full hollow.

Handle—Black rubber.

Weighs less than 1 ounce. For barbers' or private use. Shpg. wt., 4 oz.

6R6435—Price \$1.45

Wilbert "High Art" Razor.
Blade—High grade steel, $\frac{5}{8}$ -inch square point.
Tang—Plain.
Grinding—One-half hollow.
Handle—White celluloid.
Name lettered on handle to order. Expect eight to ten days' delivery. State name you want and write it plainly to avoid mistakes. Shipped direct from factory postpaid.

6R6400 $\frac{1}{3}$
6R6401 $\frac{1}{3}$
Same as above, with $\frac{5}{8}$ -inch square point blade... \$2.19

Wilbert "Tortoise" Razor.
Blade—High grade steel, $\frac{5}{8}$ -inch round point.
Tang—Plain.
Grinding—Three-quarters hollow.
Handle—Celluloid, closely resembling tortoise shell.
A good razor for private use.
Shipping weight, 5 ounces.

6R6425—Price \$1.15

Wilbert "Acme" Razor.
Blade—Good grade steel, $\frac{5}{8}$ -in. square point.
Tang—Plain.
Grinding—One-half hollow.
Handle—Black rubber.
A satisfactory low priced razor for private use.
Shipping weight, 5 ounces.

6R6436—Price \$1.18

Wilbert "Elk" Razor.
Blade—English steel, $\frac{5}{8}$ -inch square point.
Tang—Imitation horn inlaid.
Grinding—Full hollow.
Handle—Celluloid, closely resembling horn. Etched in gilt as illustrated. Shpg. wt., 5 oz.

6R6420—Price \$2.35

Columbian
Razor.
Blade—English steel, $\frac{5}{8}$ -inch hollow point.
Tang—Gunmetal finish.
Grinding—Three-quarters hollow.
Handle—Flat white celluloid. Etched in gilt, as illustrated. Shpg. wt., 5 oz.

6R6418—Price \$1.85

ARMY SPECIAL
Blade—English steel, $\frac{5}{8}$ -in. round point.
Tang—Plain.
Grinding—Three-quarters hollow.
Handle—Oval shaped black rubber.
A strongly made, serviceable razor. Recommended for heavy and wiry beards. Shipping weight, 6 oz.

6R6415—Price \$1.67

INVINCIBLE
Blade—English steel, $\frac{5}{8}$ -inch square point.
Tang—Plain.
Grinding—Three-quarters hollow.
Handle—Flat white celluloid.
A nicely proportioned, well balanced razor. Shipping weight, 5 ounces.

6R6437—Price \$1.70

Golden Shaver
Blade—First quality steel, $\frac{5}{8}$ -inch needle point.
Tang—Fancy gilt.

Grinding—Full hollow.

Handle—Transparent ruby color celluloid.

For barbers' use. Shipping weight, 5 ounces.

6R6439—Price \$1.97

6R6440—Same as above, with $\frac{5}{8}$ -inch square point blade; for private use. Price..... \$1.98

Barbers' Steel Shears.
Barbers' Gunmetal Finish Solid Steel Shears. These shears are forged from solid steel and are ground and set by shear experts. They possess a clean, sharp edge, and are guaranteed to withstand hard service. Length over all, 7 1/4 inches; length of cut, 3 1/2 inches. Shipping weight, 5 ounces.

6R6935—Price ..\$1.49

Barbers' "Favorite" Razor.

Blade—Razor steel, 5/8-inch needle point.

Tang—Plain and narrow.
Grinding—Full hollow.
Handle—Black rubber.

A satisfactory razor that will please barbers. Shipping weight, 5 ounces.

6R6448—Price ..\$1.45

Barbers' Special Talcum Powder.

This talcum is especially prepared for barbers' use. It is nicely perfumed and put up in 1-pound cans. A powder that barbers will like. Shipping weight, 1 1/4 pounds.

6R6633

Price, 1-pound can... 20c

Barbers' Tweezers.

Tweezers with blackhead remover at small end. Nickel plated. Shipping weight, 2 ounces.

6R6666—Price 25c

Horn Combs.

Made with both coarse and fine teeth. Shipping weight, 2 ounces.

6R6661—Small size. Length, 6 1/8 inches; width, 5/8 inches. Price..... 23c

Wilbert Barbers' Set-In-Rubber Brush.



Large size, with selected white bristles. Composition ferrule 1 1/2 inches in diameter. The bristles are 2 1/2 inches long and vulcanized in rubber cement under heavy pressure. Shipping weight, 6 ounces.

6R6300—Price, each..... 86c

Fine Belgian Razor Hone.

Selected especially for the best barbers' trade.

6R6572
Size, 3 1/2 x 1 1/2 in.
Shp. wt. 12 oz.
Price 82c

6R6576
Size, 4x2 in. Shp. wt. 1 1/4 oz. Price..... 1.25

Barbers' Razor Pockets.

Made of leather, velveteen lined. Something every barber should have to provide proper protection for his razors. Shipping weight, 6 ounces.

6R6650—Pocket to hold six razors.... 65c

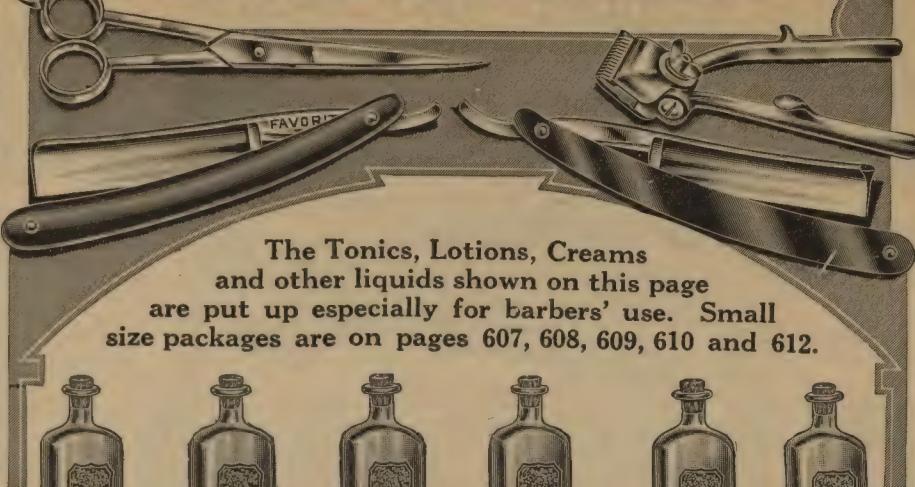
6R6651—Pocket to hold nine razors.... 75c

Barbers' Kit.

Imitation leather covered, felt lined folding kit with compartments for various accessories. Holds six razors, two pairs shears, two combs, tweezers and extractor. Folds into a compact case, 8 1/2 inches long, 3 1/2 inches high. Length, when opened, 11 inches. Fastened with snap buttons. Shipping weight, 12 ounces.

6R6653—Price 90c

BARBERS' SUPPLIES



The Tonics, Lotions, Creams and other liquids shown on this page are put up especially for barbers' use. Small size packages are on pages 607, 608, 609, 610 and 612.



Olive Brand Shampoo Liquid.

Olive Brand Shampoo is one of the best known on the market. Quickly makes a creamy lather and helps to keep the hair and scalp in a healthy condition. Shipping weight, about 4 pounds.

After Shaving Face Lotion.

This lotion contains about 20 per cent alcohol. Will help to relieve that burning sensation and itching caused by shaving. Shipping wt., about 4 lbs.

6R6607
Price, per quart bottle 90c

Wilbert Dandruff Remedy.

This preparation consists of ingredients which assist in checking the falling of hair and gives relief to dandruff trouble and other scalp irregularities. Contains about 50 per cent alcohol. Shipping weights, per quart, about 4 lbs.; per gallon, abt. 15 lbs.

6R6600
Price, quart 95c
6R6601
Price, per gallon \$3.50

Quinine Hair Tonic Compound.

Hair tonic and dandruff remedy. Contains about 47 per cent alcohol. Shipping weight, about 4 pounds.

6R6604
Per quart \$1.85
6R6605
Per gal. \$7.00

Williams' Tonsorial Shaving Soap

Put up especially for barbers' use. Four cakes to the pound, of a size and shape most economical for the barber's stand. Barbers have endorsed this "no waste" cake as the best they have ever used for shop work. Shipping weight, 1 1/4 pounds.



6R6619—Price, per pound package..... \$0.60
6R6614—Price, per 10-pound box. (Shipping weight, 11 pounds)..... 5.95

Put up especially for barbers' use. Four cakes to the pound, of a size and shape most economical for the barber's stand. Barbers have endorsed this "no waste" cake as the best they have ever used for shop work. Shipping weight, 1 1/4 pounds.

6R6619—Price, per pound package..... \$0.60
6R6614—Price, per 10-pound box. (Shipping weight, 11 pounds)..... 5.95

Shavaid Beard Softener.

Put up especially for barbers' use. To be applied before lathering. Softens the beard without rubbing. Is a preventive of irritation; soothes and cools the face. It eliminates the necessity of rubbing in the lather with the fingers. Put up in 1-pound glass jars. One pound will give about 500 applications. Order a pound package. Shipping weight, per package, about 1 1/2 lbs.

6R6640
Price, per pound package..... 85c

Barbers' Razor Box.

Barbers' imitation leather covered wood box with snap button. Holds nine razors. Height, 7 1/2 inches. Width, 3 1/2 inches. Shipping weight, 10 ounces.

6R6652—Price 60c

Barbers' Shampoo Apron.

Made of good quality material, rubber finish. Washable white apron. No barber should be without an apron of this kind. Size, 40 x 45 inches. Shipping weight, 8 ounces.

6R6667
Price 70c

Browne & Sharpe's Barbers' Clippers, Bressant Patterns.

Shipping weight, each, 15 ounces.

6R6720—No. 0 B. & S., cuts 1/16 inch..... \$3.80

6R6721—No. 1 B. & S., cuts 1/8 inch..... \$3.80

6R6722—No. 2 B. & S., cuts 1/4 inch..... \$4.25

6R6724—Springs for above clippers. Shipping weight, 2 ounces.

Price 7c

6R6725—Springs for B. & S., improved pattern. Shipping weight, 2 ounces.

Price, each 4c

Barbers' Blue Glaze Razor.

Blade—English steel, 5/8-inch needle point.

Grinding—Full hollow.

Tang—Narrow gimped.

Handle—Black rubber.

A nicely balanced razor.

Shipping weight, 5 ounces.

6R6446—Price ..\$1.80

6R6447—Same as above, with 5/8-inch needle point.

Price \$1.75

Wilbert Face Creams.

In 16-ounce glass jars. Shipping wt., about 2 lbs.

6R6628

Campohor Cream. Price..... 55c

6R6629—Menthol Cream. Price..... 75c

6R6630—Vanishing Cream. Price..... 50c

6R6631—Rolling Massage Cream. Price..... 60c

Leather Chair Strap.

Leather chair strap with nickel plated snap attached. Used for attaching razor strop to barbers' chair or any furniture without marring same. Does away with the use of hooks and swivels. Shipping weight, 2 ounces.

6R6684

Price, each 12c

6R6663—Black, hard rubber, oval razor handle. Shipping weight, 1 ounce.

Price, complete with rivets 20c

Barbers' good quality whisk broom, long selected stock, about 20 inches over all. Shipping weight, 11 ounces.

6R6691—Price, each..... 45c

Barbers' Neck Duster.

Short selected oakwood handle, polished nicely and set with weight. An article that every barber should have. Shipping weight, 5 ounces.

6R6685—Price 48c

Barbers' Neck Duster.

Strictly first quality horsehair. Regular length and weight. An article that every barber should have. Shipping weight, 5 ounces.

6R6685—Price 48c

Barbers' Shaving Mug.

Glass mug with removable soap cup. Size, 3 1/4 x 3 1/4 in. Shipping weight, 1 pound.

6R6731—Price, mug and soap cup.. 19c

Barbers' Special Selected Combination Shell and Corrugated Canvas Pattern Horsehide Strop.

Finishing leather of fine, selected, heavy shell, broken in ready for use. Sharpening side of corrugated canvas pattern, selected heavy horsehide, carefully prepared. Gold plated swivel. Length, 24 inches; width, 2 1/2 inches. Shipping weight, 12 ounces.

6R6542—Price, complete..... \$2.20

6R6543—Price, Shell Leather only with swivel (shipping weight, 6 oz.)..... \$1.30

6R6544—Price, Corrugated Horsehide only, without swivel..... \$1.00

Sears, Roebuck and Co.
Chicago

1101A

985-3

Clippers and Shears



The Fulton Hair Clipper.

This clipper is full size, well made of good steel properly tempered, finely finished and nickel plated. Cuts hair $\frac{1}{8}$ inch long. Although low in price this clipper will give excellent satisfaction. For private use we strongly recommend it. Shipping weight, 12 ounces.

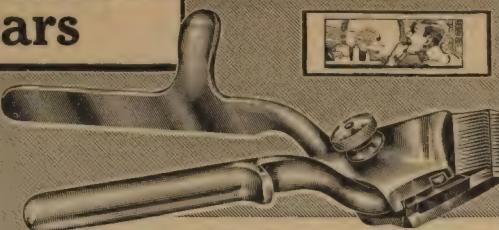
6R6712—Price \$1.45

6R6713—Springs for the Fulton Hair Clipper. Shipping weight, 1 ounce.

Price 8c

The Clippers on This Page to Be Used for Human Hair Only.

For Dog and Horse Clippers Turn to Our Harness Pages.



The Waldorf Ball Bearing Clipper.

The Waldorf Clipper has a fine fluted curved bottom plate. No rough edges. Three-coil tempered wire spring. Teeth carefully beveled and finely finished. Roller bearing. A very easy operating clipper. Nickel plated and polished. Shipping weight, 13 ounces.

6R6708—Price \$2.20

6R6709—Springs for Waldorf Hair Clipper. Shpg. wt., 1 oz. Price..... 8c



Neck Shave Clipper.

Cuts hair almost as close as a razor. The blades are made of tool steel, accurately machined and ground. The teeth are finely finished and beveled with just the right taper. Nickel plated throughout. A high quality clipper. Shipping weight, 9 ounces.

6R6716—Price \$2.60

6R6717—Springs for Neck Shave Clipper. Shpg. wt., 2 oz.

Price 8c



Wilbert Barbers' Nickel Plated Shears.

Steel laid, nickel plated shears. Finely tempered and ground. These shears possess a clean, sharp edge.

Catalog No.	Whole Length	Length of Cut	Shpg. Weight,	Price
GR6966	7 in.	3 $\frac{1}{2}$ in.	4 oz.	\$0.85
GR6967	7 $\frac{1}{2}$ in.	3 $\frac{1}{2}$ in.	4 $\frac{1}{2}$ oz.	.90
GR6968	8 in.	3 $\frac{1}{2}$ in.	5 oz.	.95
GR6969	8 $\frac{1}{2}$ in.	4 in.	6 oz.	1.05

Razor Purse.

Made of good quality leather, sheepskin chamois lined, with nickel plated clasps. A very handy individual razor purse. Will prevent razor from damage by dropping or rough usage if enclosed in this purse. Shipping weight, 1 ounce.

6R6658—Price.... 18c

Wilbert Barbers' Solid Steel Forged Shears.

Made of good grade steel, nickel plated. Finely tempered and ground. Guaranteed to cut smooth and retain edge a long time. They are graceful, light and well balanced.

6R6962—Whole length, 7 inches; length of cut, 3 inches. Shipping weight, 4 ounces.

Price95c

6R6963—Whole length, 7 $\frac{1}{2}$ inches; length of cut, 3 $\frac{1}{2}$ inches. Shipping wt., 4 $\frac{1}{2}$ ounces.

Price \$1.00

6R6964—Whole length, 8 inches; length of cut, 3 $\frac{3}{4}$ inches. Shipping weight, 5 ounces.

Price \$1.05



Shaving Mug.

Imitation China Mug. Nicely decorated. Made of good material with gilt rimmed top and heavy base flange. About 3 $\frac{3}{4}$ inches high. Shipping weight, 1 $\frac{1}{4}$ pounds.

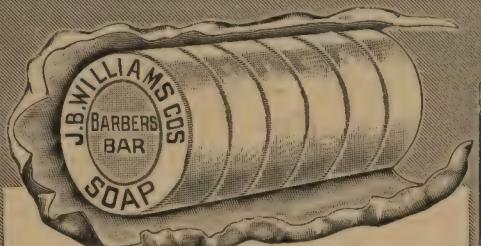
6R6739—Price ...30c



Williams' Shaving Stick.

In nickel plated box. Handy when traveling; also for home use. No waste; always clean and ready for use. Shipping weight, 5 ounces.

6R6637—Price, per box.. 29c



Williams' Shaving Soap.

This is the well known Standard Barbers' Bar Shaving Soap. Six cakes to the pound. This standard barbers' soap is very popular with the private user. A very high grade article.

6R6639—Price, per pound (six cakes). Shipping weight, 1 $\frac{1}{2}$ pounds.

6R6638—Price, per $\frac{1}{2}$ pound (three cakes). 32c

For Supplies for Professional Barbers, See Page 985.



Williams' Quick & Easy Shaving Powder.

Quicker than stick or mug and brush. Sprinkle a little powder on a wet brush and apply to face. It forms a rich lather. Shipping weight, 5 oz.

6R6636—Price, per can.... 29c



Medium Size Aluminum Mug.

Cast aluminum handle strongly riveted to cup. Satin finish body, neatly engraved. Very strong and serviceable. Size, 3 $\frac{1}{4}$ x 5 $\frac{1}{4}$ inches. Shipping weight, 8 ounces.

6R6736—Price 65c

Engraving initials on aluminum cups, extra, per letter, 5 cents. Be sure to state letters wanted.



Barbers' Hair Brush.

Long stiff bristles, nicely finished oak back. A well made, substantial brush. Length, 8 $\frac{3}{4}$ inches. Shipping weight, 6 oz.

6R6693

Price \$1.15



Razor Strop Softening Compound.
Contains no grit or emery. Softens the leather of any strop which has become hard and dry. Also makes a good filler for canvas. Shipping weight, 2 ounces.

6R6726—Price, small jar..... 15c



Razor Strop Holder.
Nickel Plated Razor Strop Holder with swivel. Shipping weight, 4 oz.

6R6683

Price, each..... 7c

Price, per dozen..... 70c



Williams' Luxury Shaving Cream.

Nicely perfumed. A small quantity of the cream on a wet brush will work up a good lather. In large size tubes. Shipping weight, 5 ounces.

6R6635—Price, per tube..... 29c



Kleaner-Klip Safety Razor Blade Cleaner.

Metal frame, polished brass finish. One end rubber for cleaning, other end cloth for drying. Quickly cleans and dries any safety razor blade. Prevents rusty blades. Shipping weight, 2 ounces.

6R6697—Price 18c



Barbers' Hair Brush.

Pullman pattern, with long, narrow ebony back, five rows stiff white bristles. A favorite with barbers. Length, 9 inches; width, 1 $\frac{1}{4}$ inches. Shipping wt., 5 ounces.

6R6696

Price 74c



Razor Strop Dressing.

A compound possessing just the right amount of hardness to put an edge on the razor. Comes in cakes 2 inches long, $\frac{3}{4}$ inch wide. Shipping weight, 1 ounce.

6R6727—Price, per cake..... 9c

SHEARS and SCISSORS

Wilbert Bent Trimmers. Excellent shears for general use and are especially adapted for cutting cloth on a table. The bent handle enables the user to follow a line without the hand coming in contact with the table. Made of first quality steel, nicely finished and properly adjusted.

Japanned Handles.

Catalog No.	Size	Shipping Weight	Price
GR6920	8 in.	9 oz.	\$0.88
GR6921	10 in.	10 oz.	1.10
GR6922	10 in.	14 oz.	1.40

Full Nickel Plated.

Catalog No.	Size	Shpg. Wt.	Price
GR6926	8 in.	9 oz.	\$1.00
GR6927	9 in.	10 oz.	1.30
GR6928	10 in.	14 oz.	1.55

Wilbert Scissors. Women's flat solid steel scissors. These scissors are full nickel plated and finely fitted.

Catalog No.	Size	Shipping Weight	Price
GR6940	4 in.	3 oz.	\$0.70
GR6941	5 in.	4 oz.	.80
GR6942	6 in.	4 oz.	.90
GR6943	7 in.	5 oz.	1.05

These Tailors' and Upholsterers' Shears are made with first quality heavy steel laid blades; japanned handles. They are fitted with strong steel screw and nut. Nicely finished and carefully adjusted. State size.

Catalog No.	Size	Shipping Weight	Price
GR6956	10½ in.	1½ lbs.	\$2.10
GR6957	12 in.	2½ lbs.	2.70

Solid Steel Embroidery Scissors. Women's embroidery and lace scissors. Made of good quality steel, well tempered and nickel plated. Blades are needle point, well edged and bevelled. Length, 3½ inches. Shipping weight, 2 ounces.

GR6945
Price 68¢

School or Pocket Scissors. Made of good grade steel, nicely finished. The blunt, rounded ends make it just what the child wants for school or kindergarten work. Also good pocket scissors. Length, 3½ inches. Shipping weight, 2 ounces.

GR6950
Price 34¢

Wilbert Pocket Scissors are made with extra heavy blades. The blades are finely fitted and made of good quality steel, well tempered and evenly fitted.

Catalog No.	Size, In.	Shpg. Wt.	Price
GR6937	4	3 oz.	70¢
GR6938	4½	4 oz.	75¢
GR6939	5	4 oz.	80¢

Women's Fancy Solid Steel Scissors. The handles are made in a fancy design. Blades are nickel plated. Made of good grade steel, well tempered and evenly fitted.

Catalog No.	Size, In.	Shpg. Wt.	Price
GR6947	3½	3 oz.	50¢
GR6948	4½	4 oz.	65¢

Combination Shears and Knife Sharpener.

Nickel plated sharpener, 9 in. long, fitted with steel file plate. A very simple device to quickly put an edge on shears, scissors or knife. Shipping wt., 7 oz. GR6960—Price 28¢

Complete Shaving Outfit.

Consists of one good quality hollow ground razor, a double swing strap, a shaving mug, a Raven razor hone, a good quality lather brush and a cake of Williams' barbers' bar soap. Shipping weight, 3½ pounds. GR6455—Price \$4.25

Acme Shaving Set. This shaving outfit consists of a good grade hollow ground razor with black rubber handle and a double swing purpose hide and prepared web razor strap. Also a good shaving brush, shaving mug and cake of Williams' shaving soap. Put up in neat paper box. Shipping weight, 1½ pounds. GR6452—Price, complete outfit..... \$1.95

Adjustable Shaving Mirror. Shaving Mirror mounted on nickel plated brass frame. Fine 6-inch French bevel glass. Can be set on the table with the glass at any angle, or used as a hand mirror. Shipping weight, 2 pounds. GR6677—Price..... \$1.20

Good Shaving Set. This outfit consists of a hollow ground razor, a genuine Apart razor hone and a good quality shell horsehide strap, finished on both sides. Shipping weight, 1 pound 1 ounce.

GR6459
Price, complete outfit..... \$2.10

Steel Unbreakable Mirror. Nickel plated over copper plating and highly polished on both sides. Can be hung anywhere. Felt covers, except on size 4x6 inches.

GR6695A—Size, 3x4 inches, Shpg. wt. 3 oz. Price, each..... 20¢

GR6695B—Size, 3x5 inches, Shpg. wt. 4 oz. Price, each..... 25¢

GR6695C—Size, 4x6 inches, Shpg. wt. 6 oz. Price, each..... 35¢

Leather Razor Roll.

Lined with soft felt. Makes a compact and safe way to carry a number of razors, which, if thoroughly dried, will not rust. Shipping wt., 4 oz.

GR6670—For three razors..... 70¢

GR6671—For four razors..... 75¢

GR6672

For six razors... 90¢

Stag Safety Razor Sharpener.

Hones and stops any safety razor blade. Automatically holds the blade at the proper angle and insures an even, perfect edge. First quality hone and stop included. Shipping weight, 14 oz. GR6399—Price, complete..... 87¢

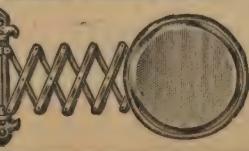
Razor Outfit.



This outfit consists of two razors enclosed in a snap button leather case. The razors are good quality steel, full hollow ground. Shipping weight, 6 ounces.

GR6449
Price, complete..... \$1.85

Circular Extension Mirror.



A French bevel glass, 8 inches in diameter, set in solid back burnished nickel plated frame. Can be attached to the wall and extended to 24 inches, being also adjustable to any angle desired. An unusually handy, convenient article for general household use, but especially suitable for attaching near a window where plenty of light is desired. Shipping weight, 3½ pounds. GR6675—Price \$2.50

Pocket Knives



Wilbert Stag Pattern Handle Knife. 3 $\frac{1}{2}$ inches long. Double bolsters. Spear blade, 2 $\frac{3}{4}$ inches long; pen blade, 2 inches long. Shipping weight, 5 ounces.

6R7058—Price 78c

Wakota



Gray Celluloid Handle Stock Knife. 3 $\frac{1}{2}$ inches long. Diagonal nickel silver bolsters. Clip blade, 3 $\frac{1}{4}$ inches long; spaying blade, 2 $\frac{1}{4}$ inches long; one awl blade. Shipping weight, 6 ounces.

6R7100—Price \$1.29



Wilbert Dakota Cowboys' Knife. Stag pattern handle, 3 $\frac{1}{2}$ inches long. Double bolsters. Spear blade, 2 $\frac{3}{4}$ inches long; sheep's foot blade, 2 $\frac{1}{4}$ inches long; pen blade, 2 $\frac{1}{4}$ inches long. Shipping weight, 6 ounces.

6R7065—Price \$1.12



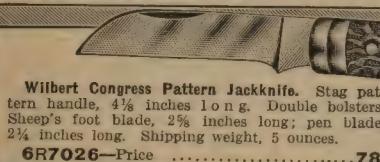
Wilbert Three-Blade Knife. Stag pattern handle, 3 $\frac{1}{2}$ inches long. Double bolsters. Spear blade, 2 $\frac{3}{4}$ inches long; two pen blades, 1 $\frac{1}{4}$ inches long. Shipping weight, 4 ounces.

6R7057—Price 85c



Wilbert Stag Pattern Handle Knife. 3 $\frac{1}{2}$ inches long. Double bolsters. Clip blade, 2 $\frac{3}{4}$ inches long; pen blade, 1 $\frac{1}{4}$ inches long. Shipping weight, 4 ounces.

6R7044—Price 72c



Wilbert Congress Pattern Jackknife. Stag pattern handle, 4 $\frac{1}{2}$ inches long. Double bolsters. Sheep's foot blade, 2 $\frac{3}{4}$ inches long; pen blade, 2 $\frac{1}{4}$ inches long. Shipping weight, 5 ounces.

6R7026—Price 78c



Wilbert Vermilion Handle Knife. 3 $\frac{1}{2}$ inches long. Single bolster. Spear blade, 2 $\frac{3}{4}$ inches long; pen blade, 2 $\frac{1}{4}$ inches long. Shipping weight, 4 ounces.

6R7001—Price 49c



Stag Pattern Handle Knife. 3 $\frac{1}{2}$ inches long. Double bolsters. Clip blade, 2 $\frac{3}{4}$ inches long; pen blade, 1 $\frac{1}{4}$ inches long. Shipping weight, 4 ounces.

6R7018—Price 86c



Barlow Pattern Jackknife. Bone handle, 3 $\frac{1}{2}$ inches long. Single bolster. Spear blade, 2 $\frac{3}{4}$ inches long; pen blade, 2 inches long. Shipping wt., 5 oz.

6R7016—Price 55c



Wilbert White Bone Handle Easy Opener Knife. 3 $\frac{1}{2}$ inches long. Double bolsters. Spear blade, 2 $\frac{3}{4}$ inches long; pen blade, 1 $\frac{1}{4}$ inches long. Shipping weight, 5 ounces.

6R7014—Price 74c



Wilbert Horn Handle Jackknife. 3 $\frac{1}{2}$ inches long. Double bolsters. Clip blade, 2 $\frac{3}{4}$ inches long; pen blade, 2 inches long. Shpg. wt., 5 oz.

6R7047—Price 85c



Wilbert Jackknife. Stag pattern handle, 3 $\frac{1}{2}$ inches long. Double bolsters. Spear blade, 2 $\frac{3}{4}$ inches long; pen blade, 2 $\frac{1}{4}$ inches long. Shipping weight, 5 ounces.

6R7024—Price 72c



Ebony Handle Easy Opener Knife. 3 $\frac{1}{2}$ inches long. Double bolsters. Large blade, 2 $\frac{3}{4}$ inches long; pen blade, 2 inches long. Shipping weight, 5 ounces.

6R7008—Price 77c



Wilbert Jackknife. Stag pattern handle, 3 $\frac{1}{2}$ inches long. Double bolsters. Saber clip blade, 2 $\frac{3}{4}$ inches long; pen blade, 1 $\frac{1}{4}$ in. long. Shipping weight, 5 ounces.

6R7023—Price 76c



Wilbert Ebony Handle Jackknife. 3 $\frac{1}{2}$ inches long. Double bolsters. Clip blade, 3 inches long; pen blade, 2 $\frac{1}{4}$ in. long. Shpg. wt., 5 oz.

6R7013—Price 85c



Teamsters' Knife. Cocobolo handle, 3 $\frac{1}{2}$ inches long. Double bolsters. Spear blade, 2 $\frac{3}{4}$ inches long; awl blade, 2 inches long. Shipping weight, 5 ounces.

6R7003—Price 75c



Wilbert Cocobolo Handle Jackknife. 3 $\frac{1}{2}$ inches long. Double bolsters. Spear blade, 2 $\frac{3}{4}$ inches long; pen blade, 1 $\frac{1}{4}$ inches long. Shipping weight, 5 ounces.

6R7002—Price 80c



Stag Pattern Handle Jackknife. 3 $\frac{1}{2}$ inches long. Double bolsters. Clip blade, 2 $\frac{3}{4}$ inches long; pen blade, 2 $\frac{1}{4}$ inches long. Shipping weight, 5 ounces.

6R7020—Price 72c



Wilbert Easy Opener Knife. Stag pattern handle, 3 $\frac{1}{2}$ inches long. Double bolsters. Spear blade, 2 $\frac{3}{4}$ inches long; pen blade, 2 inches long. Shipping weight, 5 ounces.

6R7030—Price 84c



Wilbert Texas Toothpick Knife. Stag pattern handle, 3 $\frac{1}{2}$ inches long. Single bolster. Clip point saber blade, 3 $\frac{1}{4}$ inches long; pen blade, 2 $\frac{1}{4}$ inches long. Shipping wt., 5 oz.

6R7032—Price 86c



Wilbert Stock Knife. Stag pattern handle, 4 inches long. Double bolsters. Clip blade, 3 $\frac{1}{4}$ inches long; pen blade, 2 $\frac{1}{4}$ inches long. Shipping weight, 5 ounces.

6R7028—Price 87c

Pocket Knives



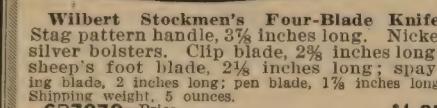
Western Stockmen's Lock Blade Awl Knife. Gray celluloid handle, 3½ inches long. Nickel silver bolsters. Clip blade, 3 inches long; spaying blade, 2 inches long; lock awl blade, 1½ inches long, which cannot be released unless large blade is pressed down. Shipping weight, 6 ounces.

6R7066—Price \$1.38



Wilbert Four-Blade Cattlemen's Knife. Stag pattern handle, 3½ inches long. Nickel silver bolsters. Clip blade, 2½ inches long; sheep's foot blade, 2¼ inches long; spaying blade, 2½ inches long; awl or punch blade, 2 inches long. Shipping weight, 6 ounces.

6R7074—Price \$1.25



Wilbert Stockmen's Four-Blade Knife. Stag pattern handle, 3½ inches long. Nickel silver bolsters. Clip blade, 2½ inches long; sheep's foot blade, 2½ inches long; spaying blade, 2 inches long; pen blade, 1½ inches long. Shipping weight, 5 ounces.

6R7070—Price \$1.27



Vest Pocket Penknife. Gray celluloid. Flat handle, very thin, 3 in. long. Nickel silver bolsters. Pen blade, 2¼ inches long; manicure file, 2¼ inches long. Shipping weight, 3 ounces.

6R7054—Price 98c



Wilbert Three-Blade Knife. Stag pattern handle, 3½ inches long. Nickel silver bolsters. Spear blade, 2½ inches long; two pen blades, each 1¾ inches long. Shipping weight, 4 ounces.

6R7079—Price 93c



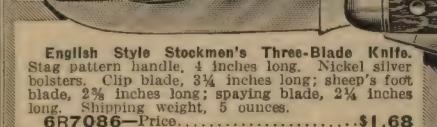
Wilbert Small Congress Four-Blade Knife. Stag pattern handle, 3½ inches long. Nickel silver bolsters. Large blade, 2½ inches long; two pen blades, each 1¾ inches long; one nail file, 1¾ inches long. Shipping weight, 4 ounces.

6R7056—Price \$1.12



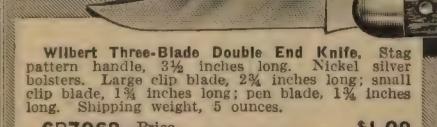
Wilbert Two-Blade Penknife. Stag pattern handle, 3 inches long. Large blade, 2 inches long; small blade, 1½ inches long. Shipping wt, 3 ounces.

6R7051—Price 58c



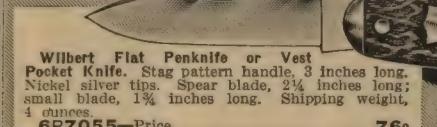
English Style Stockmen's Three-Blade Knife. Stag pattern handle, 4 inches long. Nickel silver bolsters. Clip blade, 3¼ inches long; sheep's foot blade, 2½ inches long; spaying blade, 2½ inches long. Shipping weight, 5 ounces.

6R7086—Price \$1.68



Wilbert Three-Blade Double End Knife. Stag pattern handle, 3½ inches long. Nickel silver bolsters. Large clip blade, 2¾ inches long; small clip blade, 1¾ inches long; pen blade, 1¾ inches long. Shipping weight, 5 ounces.

6R7062—Price \$1.09



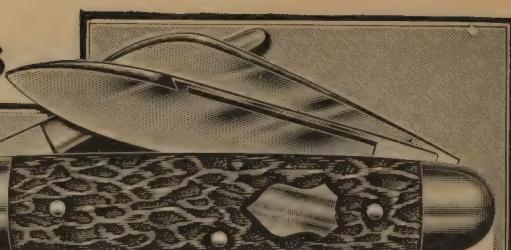
Wilbert Flat Penknife or Vest Pocket Knife. Stag pattern handle, 3 inches long. Nickel silver tips. Spear blade, 2¼ inches long; small blade, 1¾ inches long. Shipping weight, 4 ounces.

6R7055—Price 76c



Wilbert Pearl Handle Cattle Knife. 3½ inches long. Nickel silver bolsters. Spear blade, 2½ inches long; sheep's foot blade, 2½ inches long; pen blade, 2 inches long. Shipping weight, 5 ounces.

6R7049—Price \$2.00



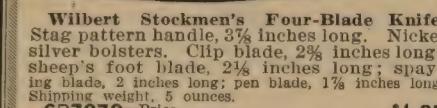
Wilbert Three-Blade Cattle Knife. Stag pattern handle, 3½ inches long. Double bolsters. Spear blade, 2½ in. long; sheep's foot blade, 2¼ inches long; awl blade, 2 inches long. Shipping weight, 5 ounces.

6R7064—Price 98c



Wilbert Four-Blade Cattlemen's Knife. Stag pattern handle, 3½ inches long. Nickel silver bolsters. Clip blade, 2½ inches long; sheep's foot blade, 2¼ inches long; spaying blade, 2½ inches long; awl or punch blade, 2 inches long. Shipping weight, 6 ounces.

6R7074—Price \$1.25



Wilbert Stockmen's Four-Blade Knife. Stag pattern handle, 3½ inches long. Nickel silver bolsters. Clip blade, 2½ inches long; sheep's foot blade, 2½ inches long; spaying blade, 2 inches long; pen blade, 1½ inches long. Shipping weight, 5 ounces.

6R7070—Price \$1.27



Wilbert Three-Blade Pearl Handle Penknife with leather purse. 3-inch handle. Nickel silver bolsters. Large blade, 1½ inches long; small blade, 1¾ inches long; nail file, 1½ inches long. Shipping weight, 4 ounces.

6R7059—Price \$1.62



Wilbert Texas Three-Blade Stock Knife. Stag pattern handle, 3½ inches long. Nickel silver bolsters. Clip blade, 3½ inches long; sheep's foot blade, 2½ inches long; spaying blade, 2½ inches long. Shipping weight, 5 ounces.

6R7068—Price \$1.07



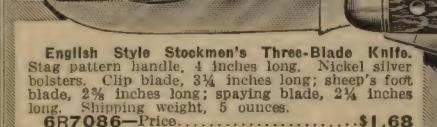
Women's Easy Opener Two-Blade Knife. Gray celluloid handle, 2¾ inches long. Nickel silver bolsters. Large blade, 2¼ inches long; pen file blade, 1¾ inches long. Shipping weight, 3 ounces.

6R7053—Price 69c



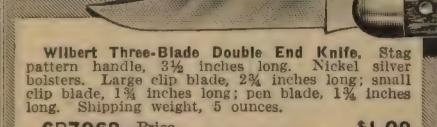
Wilbert Four-Blade Pocket Knife. Stag pattern handle, 3½ inches long. Nickel silver bolsters. Spear blade, 2½ inches long; two pen blades, each 1¾ inches long; nail file blade, 1¾ inches long. Shipping weight, 4 ounces.

6R7072—Price 93c



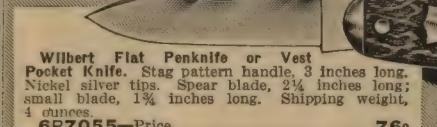
Men's Four-Blade Knife. Stag pattern handle, 3½ inches long. Nickel silver bolsters. Spear blade, 2 inches long; two pen blades, each 1¾ inches long; nail file, 1¾ inches long. Shipping weight, 4 ounces.

6R7090—Price \$1.50



Wilbert Large Congress Four-Blade Knife. Stag pattern handle, 3½ inches long. Nickel silver bolsters. Two sheep's foot blades, one 2½ inches long, the other 2 inches long; two pen blades, each 2 inches long. Shipping weight, 5 ounces.

6R7071—Price \$1.18



Three-Blade Pearl Handle Pocket Knife. 3½ inches long. Nickel silver bolsters. Large blade, 2½ inches long; pen blade, 1¾ inches long; nail file, 1¾ inches long. Shipping weight, 4 oz.

6R7060—Price \$2.25



Wilbert Premier Stockmen's Three-Blade Knife. Mahogany finish celluloid handle, 3½ inches long. Nickel silver diagonal bolsters. Clip blade, 2½ inches long; sheep's foot blade, 2½ inches long; pen blade, 2 in. long. Shpg. wt., 5 oz.

6R7061—Price \$1.22



Wilbert Pearl Handle Three-Blade Stockmen's Knife. 4 inches long. Nickel silver bolsters. Clip blade, 3½ inches long; sheep's foot blade, 2½ inches long; spaying blade, 2½ inches long. Shipping weight, 5 ounces.

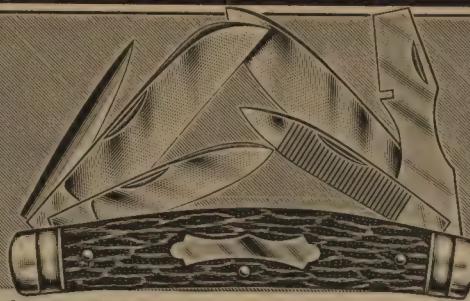
6R7050—Price \$2.30

Miscellaneous Knives



Wilbert Daniel Boone Hunting Knife. Cocobolo handle, 5½ inches long. Steel bolsters and cap, steel lined. Strong saber clip blade, 4½ inches long. Shipping weight, 7 ounces.

6R7037—Price...\$1.15



Wilbert Hunters' Pride Knife. Stag pattern handle, 4½ in. long. Nickel silver bolsters. Clip blade, 3½ inches long; small blade, 2½ inches long. Shipping weight, 6 ounces.

6R7035—Price.....98c



Hercules Combination Tool Knife. Stag pattern handle, 4 inches long. Nickel silver bolsters. Spear blade, 2½ inches long; sheep's foot blade, 2½ inches long; pen blade, 2¼ inches long; nail file blade, 2½ inches long; one swedging awl, one combination screwdriver and tack puller. Shipping weight, 4 ounces.

6R7075—Price.....\$1.80



Wilbert Pocket Knife, suitable for Boy Scouts. Stag pattern handle, 3½ inches long. Nickel silver bolsters. Large spear blade, 2½ inches long; one swedging awl, one combination bottle opener and screwdriver and one can opener. Shipping wt., 6 oz.

6R7080—Price...\$1.35



Sheffield Pattern Bowie Hunting Knife. Stag pattern handle, nickel silver guard. Leather sheath. Shipping weight, 15 ounces.

6R7135½—6-in. Price...\$1.40
6R7136½—7-in. Price... 1.60

Pocket Tool Kit.

Outfit consists of a cocobolo handle pocket knife, 3½ inches long; nickel silver bolsters, 2½ inch spear point blade; also six useful tools: A 3½-inch file, 3½-inch screwdriver, 3-inch chisel, 3-inch awl, cork puller and drill. Any of these tools can



be fastened in a moment's time to end of knife, the spring of which rigidly holds the tool in place. Put up in neat leather case. Shipping weight, 12 ounces.

6R7076
Price.\$1.75



Arkansas Lock Blade Hunters' Knife. Stag pattern handle, 4½ inches long. Single bolster. Shaped to fit the palm. Clip point saber blade, 3¾ inches long. Blade cannot close until lock is released. Shipping weight, 7 ounces.

6R7039—Price.....\$1.18



Combination Tool Knife. Stag pattern handle, 3½ inches long. Nickel silver bolsters. One spear blade, 2½ inches long; one clip blade, 2 inches long; one swedging awl, one can opener, combination bottle opener and screwdriver, tack puller and cork puller. Shipping weight, 6 ounces.

6R7084—Price...\$1.98



Dexter Light Weight Hunting Knife. Blade, 4½ inches long by ¾ inch wide. Made of heavy gauge steel, well ground and honed. Nickel plated ferrule. Black oval handle, securely fastened. Leather sheath included. Shipping wt., 6 ounces.

6R7130½—Price.....\$1.20

6R7039—Price.....\$1.18

6R7041—Price..66c

6R7042—Price.....80c

6R7044—Price.....80c

6R7046—Price.....7c

6R7048—Price.....12c

6R7050—Price.....58c

6R7052—Price.....80c

6R7054—Price.....7c

6R7056—Price.....58c

6R7058—Price.....80c

6R7060—Price.....7c

6R7062—Price.....58c

6R7064—Price.....80c

6R7066—Price.....7c

6R7068—Price.....58c

6R7070—Price.....80c

6R7072—Price.....7c

6R7074—Price.....58c

6R7076—Price.....80c

6R7078—Price.....7c

6R7080—Price.....58c

6R7082—Price.....80c

6R7084—Price.....7c

6R7086—Price.....58c

6R7088—Price.....80c

6R7090—Price.....7c

6R7092—Price.....58c

6R7094—Price.....80c

6R7096—Price.....7c

6R7098—Price.....58c

6R7100—Price.....80c

6R7102—Price.....7c

6R7104—Price.....58c

6R7106—Price.....80c

6R7108—Price.....7c

6R7110—Price.....58c

6R7112—Price.....80c

6R7114—Price.....7c

6R7116—Price.....58c

6R7118—Price.....80c

6R7120—Price.....7c

6R7122—Price.....58c

6R7124—Price.....80c

6R7126—Price.....7c

6R7128—Price.....58c

6R7130—Price.....80c

6R7132—Price.....7c

6R7134—Price.....58c

6R7136—Price.....80c

6R7138—Price.....7c

6R7140—Price.....58c

6R7142—Price.....80c

6R7144—Price.....7c

6R7146—Price.....58c

6R7148—Price.....80c

6R7150—Price.....7c

6R7152—Price.....58c

6R7154—Price.....80c

6R7156—Price.....7c

6R7158—Price.....58c

6R7160—Price.....80c

6R7162—Price.....7c

6R7164—Price.....58c

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6R7202—Price.....80c

6R7204—Price.....7c

6R7206—Price.....58c

6R7208—Price.....80c

6R7210—Price.....7c

6R7212—Price.....58c

6R7214—Price.....80c

6R7216—Price.....7c

6R7218—Price.....58c

6R7220—Price.....80c

6R7222—Price.....7c

6R7224—Price.....58c

6R7226—Price.....80c

6R7228—Price.....7c

6R7230—Price.....58c

6R7232—Price.....80c

6R7234—Price.....7c

6R7236—Price.....58c

6R7238—Price.....80c

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6R7244—Price.....80c

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6R7298—Price.....80c

6R7300—Price.....7c

6R7302—Price.....58c

6R7304—Price.....80c

6R7306—Price.....7c

6R7308—Price.....58c

6R7310—Price.....80c

6R7312—Price.....7c

6R7314—Price.....58c

6R7316—Price.....80c

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6R7350—Price.....58c

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6R7406—Price.....80c

6R7408—Price.....7c

6R7410—Price.....58c

6R7412—Price.....80c

6R7414—Price.....7c

6R7416—Price.....58c

6R7418—Price.....80c

6R7420—Price.....7c

6R7422—Price.....58c

6R7424—Price.....80c

6R7426—Price.....7c

6R7428—Price.....58c

6R7430—Price.....80c

6R7432—Price.....7c

6R7434—Price.....58c

6R7436—Price.....80c

6R7438—Price.....7c

6R7440—Price.....58c

6R7442—Price.....80c

6R7444—Price.....7c

6R7446—Price.....58c

6R7448—Price.....80c

6R7450—Price.....7c

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6R7456—Price.....7c

6R7458—Price.....58c

6R7460—Price.....80c

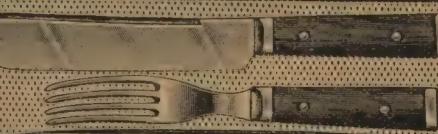
6R7462—Price.....7c

6R7464—Price.....58c

6R7466—Price.....80c

6R7468—Price.....7c

Miscellaneous Knives



Cocobolo Handle Knives and Four-Tine Forks.

Double bolstered swaged scimitar blades. One good whetstone that will quickly put an edge on knives. This set represents a value that will be appreciated. Shipping weight, 2 pounds 9 ounces.

6R7200—Price, per set, six knives, six forks and whetstone..... \$1.75

Housewives will save a great deal of time and be able to do their work better and easier with some of the handy knives on this page. Here you will find everything from a grapefruit knife to a high quality kitchen cleaver. Knife sharpeners will also be of great assistance to you.

Grapefruit Knife.

Made of good flexible spring steel, with nickel plated ferrule. Square black finished handle with beveled edges to insure a firm hold. Blade, 3 inches long. Shipping weight, 4 oz. **6R7204**—Price

24c

Solid Aluminum Handle Paring Knife. 3½-inch blade, clip point, a good grade of steel, ground to a keen edge. Length of handle, 3¼ inches; entire length, 6¾ inches. Shipping weight, 3 ounces.

6R7220—Price

20c

Paring Knife. Diagonal point, hardwood handle. Length of blade, 3 inches. This knife is excellent value and will give good service. Shipping weight, 3 ounces.

6R7221—Price

12c

Kitchen Knife. Sharp point, cocobolo handle, well riveted. Single bolster. This knife is made of a good grade of steel and will give satisfaction. Shipping weight, 3 ounces.

6R7222—Price

15c

Carving Knife. A medium priced carving knife especially designed for everyday kitchen use. Fitted with a 9-inch blade, made from good quality steel. Black enameled handle, polished ferrule. Possesses excellent cutting qualities. Shipping weight, 7 oz. **6R7206**—Price

55c

Hotel or Kitchen Slicer.

A handy all around slicer for kitchen use. Cocobolo handle, three large brass rivets; blade, 9 inches long, good grade of steel. Shipping weight, 8 ounces.

6R7207—Price

32c

Pruning and Linoleum Knife. Has 3-inch curved blade. Made of a good grade of steel. Hardwood handle, 4 inches long, with polished ferrule. Knife is also practical for cutting linoleum. Shipping weight, 5 ounces.

6R7232—Price

28c

Family Cleaver.

Good steel blade. Is a very handy household article and should be in every kitchen. Blade, 6½ in. long; entire length, 12 inches. Shipping weight, 1½ pounds.

6R7261—Price

45c

Good Grade Kitchen Cleaver. Six-inch blade. Made of a good grade of steel. Handle strongly riveted. Entire length, 11 inches. For kitchen use. Shipping weight, 1¼ pounds.

6R7260—Price

82c

Four-Piece Kitchen Set. This four-piece kitchen set consists of one 16-inch kitchen saw, one cleaver with 6-inch blade, one 6-inch butcher knife, and one paring knife with 3-inch blade. Every article in this set is of good quality. Shipping weight, 2½ pounds.

6R7270—Price, complete

\$1.24

Teaette.

Economy teaette; steel, nickel plated. By its use you can make a single cup of tea any strength desired. Saves tea; keeps tea leaves out of teacup. New idea for making tea. Shipping weight, 4 oz. **6R7280**—Price

15c

Dexter Spatula.

Made from a good grade of steel. Blade, 6 inches long, 1 inch wide, very flexible. For pastry and cake turning. Black oval shaped handle, with polished ferrule. Shipping weight, 3 ounces.

6R7209—Price

47c

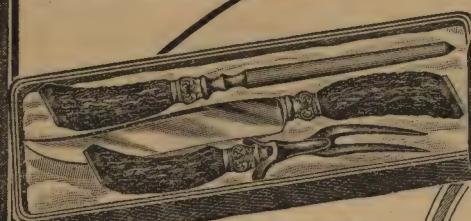
Pot Fork. Made of heavy gauge steel. Fitted with large, heavy cocobolo handle fastened with three brass rivets. Length of prongs, 3½ inches; entire length of fork, 12½ inches. Shpg. wt., 8 oz. **6R7216**—Price

28c

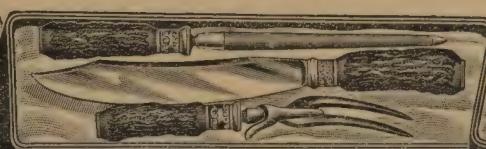
Automatic Knife Sharpener. For kitchen, butcher knives, etc. Made with two smooth cutting grinding wheels, which will automatically adjust themselves to any blade and produce a fine cutting edge. Shipping weight, 7 oz. **6R7268**—Price

18c

Carving Sets

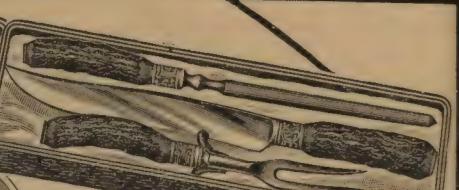


**Wilbert Cutlery Co.'s
High Quality Carving Set.** 9-inch blade is shaped so that the entire edge is used. Sterling silver ferrules. Nickel silver caps and stag handles. Fork has tines $\frac{3}{4}$ in. long; fitted with forged spring guard. Steel to match. Shipping weight, 2 pounds, 13 oz. **GR7300**—Price, per set \$6.38



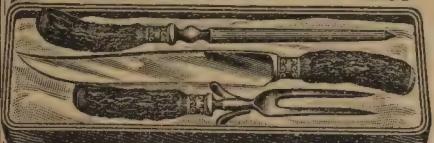
Wilbert Vanadium Steel Carving Set. Knife has 9-inch blade, finely tempered and ground. Blade forged of vanadium steel. Full size, first quality stag handles. Spring guard fork and steel to match. Sterling silver ferrules and nickel silver caps. Fancy lined imitation leather case. Shipping weight, $\frac{2}{3}$ pounds.

GR7302—Price, per set \$4.95



Wilbert Carving Set. 9-inch blade of fine grade shear steel, carefully ground; selected stag handles; spring guard fork. Steel to match. Sterling silver ferrules, nickel silver caps. Shipping weight, $\frac{2}{3}$ pounds.

GR7303—Price, per set \$4.85



Wilbert Medium Price Carving Set. Stag handles; nickel silver ferrules, polished caps. 9-inch swaged blade, ground to a keen edge. Spring guard fork and steel to match. Shpg. wt., $\frac{2}{3}$ lbs. **GR7304**—Per set \$3.55

Good Grade Carver. 9-inch carver, blade finely tempered and ground, stag handle, polished caps. Spring guard fork. Shipping weight, 15 ounces.

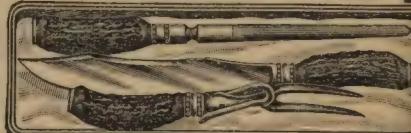
GR7310—Price, per set \$1.90

Stag Handle Steel. Full length, $1\frac{1}{2}$ inches. Will put a keen edge on knife blades. Shipping weight, 10 ounces.

GR7311—Price, per set 70c

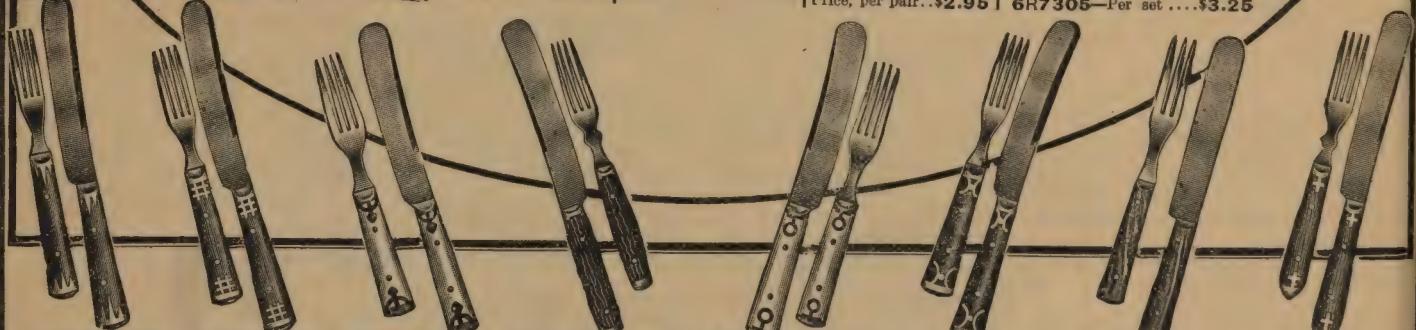
Good Grade Stag Handle Carver. 8-inch blade, finely tempered and ground. Fork has good heavy tines. Heavy sterling silver ferrules. Shipping wt., 1 lb.

GR7312—Price, per pair \$2.95



Wilbert Stag Handle Three-Piece Carving Set. Knife has 9-inch blade, finely ground and tempered. Medium quality stag handles, fancy nickel silver bolsters, polished caps. Spring guard fork. Steel to match. An excellent set for the price. Shipping weight, $\frac{2}{3}$ pounds.

GR7305—Per set \$3.25



Cocobolo Hand-Knife and Four-Tine Forks. Fancy double bolsters; scimitar blades. Shipping wt., 2 lbs. 3 oz. **GR7330**

Price, per set, six knives and six forks \$2.10

Cocobolo Hand-Knife and Four-Tine Forks. Double bolstered, double cross pattern; scimitar blades. Shipping weight, 2 pounds 3 ounces.

GR7332

Price, per set, six knives and six forks \$2.15

White Bone Hand-Knife and Four-Tine Forks. Double bolstered, double cross pattern; scimitar blades. Shipping weight, 2 pounds 3 ounces.

GR7330

Price, per set, six knives and six forks \$2.75

Imitation Stag Handle Double Bolster Knives and Four-Tine Forks. Scimitar blades. Shipping wt., 2 lbs. 3 oz.

GR7355—Price, per set, six knives and six forks

Knives only. Shipping weight, 1 pound 3 ounces.

GR7357—Price, per half dozen \$1.40

Double Ring Pattern Knives and Forks. Scimitar blades, white bone handles. Nicely finished.

Shipping wt., 2 lbs. 3 oz.

GR7344—Price, per set, six knives and six forks

Knives only. Shipping weight, 1 pound 3 ounces.

GR7345—Price, per half dozen \$1.50

Fancy Pattern Knives and Four-Tine Forks. Double bolstered, two brass rivets, scimitar blades. Handle of polished dark wood resembling ebony. Shipping wt., 2 lbs. 3 oz.

GR7379

Per set, six knives and six forks \$2.30

Cocobolo Hand-Knife and Forks. No bolster. Shipping weight, $1\frac{1}{2}$ pounds.

GR7322

Per set, six knives and six forks \$9.85

Popular Design Cocobolo Hand-Knife and Forks. Long, slim and tapered. Cross pattern bolsters with candle snuffer ends. Scimitar steel blades. Shipping weight, 2 lbs.

GR7323

Per set of six knives and six forks \$2.20

GR7330

Price, per set, six knives and six forks \$2.10

GR7332

Price, per set, six knives and six forks \$2.15

GR7330

Price, per set, six knives and six forks \$2.75

GR7355—Price, per set, six knives and six forks

Knives only. Shipping weight, 1 pound 3 ounces.

GR7357—Price, per half dozen \$1.40

GR7344—Price, per set, six knives and six forks

Knives only. Shipping weight, 1 pound 3 ounces.

GR7345—Price, per half dozen \$1.50

GR7379—Price, per set, six knives and six forks \$2.30

GR7322

Per set, six knives and six forks \$9.85

GR7323

Per set of six knives and six forks \$2.20

GR7330

Price, per set, six knives and six forks \$2.10

GR7332

Price, per set, six knives and six forks \$2.15

GR7330

Price, per set, six knives and six forks \$2.75

GR7355—Price, per set, six knives and six forks

Knives only. Shipping weight, 1 pound 3 ounces.

GR7357—Price, per half dozen \$1.40

GR7344—Price, per set, six knives and six forks

Knives only. Shipping weight, 1 pound 3 ounces.

GR7345—Price, per half dozen \$1.50

GR7379—Price, per set, six knives and six forks \$2.30

GR7322

Per set, six knives and six forks \$9.85

GR7323

Per set of six knives and six forks \$2.20

GR7330

Price, per set, six knives and six forks \$2.10

GR7332

Price, per set, six knives and six forks \$2.15

GR7330

Price, per set, six knives and six forks \$2.75

GR7355—Price, per set, six knives and six forks

Knives only. Shipping weight, 1 pound 3 ounces.

GR7357—Price, per half dozen \$1.40

GR7344—Price, per set, six knives and six forks

Knives only. Shipping weight, 1 pound 3 ounces.

GR7345—Price, per half dozen \$1.50

GR7379—Price, per set, six knives and six forks \$2.30

GR7322

Per set, six knives and six forks \$9.85

GR7323

Per set of six knives and six forks \$2.20

GR7330

Price, per set, six knives and six forks \$2.10

GR7332

Price, per set, six knives and six forks \$2.15

GR7330

Price, per set, six knives and six forks \$2.75

GR7355—Price, per set, six knives and six forks

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GR7

Butcher Supplies

For Trade And Household Use

The Genuine Diamond "A" Butcher Knives.

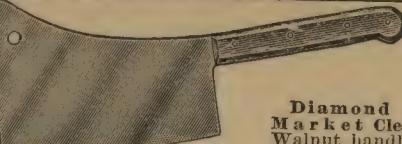
These knives are made specially for the butcher trade where a knife is required to be not only of good material, but also of just the right shape and proper balance to do good work. Every Diamond "A" Knife

is ground by experienced workmen and honed to a keen edge. They are inspected before leaving the factory and are guaranteed to give satisfaction and to be of a very good quality.



Genuine Diamond "A" Butcher Knife. Beechwood handle.

	Length, Blade	Shipping Weight	Price
6R7450	6 inches	7 ounces	\$0.29
6R7452	7 inches	8 ounces	.37
6R7454	8 inches	9 ounces	.45
6R7456	9 inches	10 ounces	.56
6R7458	10 inches	11 ounces	.78
6R7460	12 inches	12 ounces	1.10



Diamond "A" Market Cleaver.
Walnut handle.

	Length, Blade	Shipping Weight	Price
6R7560	7 inches	3 pounds	\$1.98
6R7562	8 inches	3½ pounds	2.20
6R7564	9 inches	4 pounds	2.50
6R7566	10 inches	5 pounds	2.65



Genuine Diamond "A" Sticking Knife.
Beechwood handle.

	Length, Blade	Shipping Weight	Price
6R7466	6 inches	7 ounces	32¢
6R7468	7 inches	8 ounces	38¢



Genuine Diamond "A" Skinning Knife. Beechwood handle.

	Length, Blade	Shipping Weight	Price
6R7462	6 inches	7 ounces	35¢
6R7464	6½ inches	8 ounces	40¢



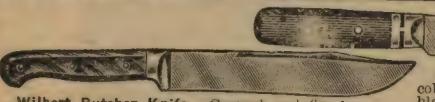
Genuine Diamond "A" Steak Knife. Scimitar blade. Beechwood handle.

	Length, Blade	Shipping Weight	Price
6R7476	10 inches	11 ounces	\$0.85
6R7478	12 inches	12 ounces	1.00



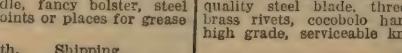
Genuine Diamond "A" Boning Knife.
Beechwood handle. Length of blade, 6 inches.
Shipping weight, 7 ounces.

6R7472—Price 33¢



Wilbert Butcher Knife. Ground and finished by hand. Cocobolo handle.

	Length, Blade	Shipping Weight	Price
6R7443	6 inches	7 ounces	50¢
6R7445	7 inches	8 ounces	60¢
6R7447	8 inches	9 ounces	69¢



Wilbert Butcher Knife. Solid cocobolo handle, fancy bolster, steel blade. No joints or places for grease to collect.

	Length, Blade	Shipping Weight	Price
6R7430	6 inches	7 ounces	36¢
6R7431	7 inches	8 ounces	45¢



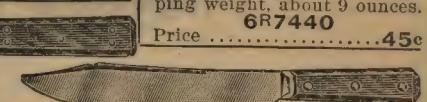
Wilbert Butcher Knife. First quality steel blade, three large brass rivets, cocobolo handle; a high grade, serviceable knife.

	Length, Blade	Shipping Weight	Price
6R7436	7 inches	8 ounces	41¢
6R7438	8 inches	9 ounces	51¢



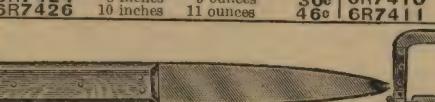
Wilbert Luncheon Knife. Carver, butcher and bread knife combined in one. Finely finished blade, cocobolo handle with brass shield.

	Length, Blade	Shipping Weight	Price
6R7443	6 inches	7 ounces	50¢
6R7445	7 inches	8 ounces	60¢



Wilbert Luncheon Knife. Carver, butcher and bread knife combined in one. Finely finished blade, cocobolo handle with brass shield.

	Length, Blade	Shipping Weight	Price
6R7440	6½ inches	9 ounces	45¢



Lion Brand Butcher Knife. Beechwood handle. A very strongly built knife.

	Length, Blade	Shipping Weight	Price
6R7408	6 inches	7 ounces	37¢
6R7410	7 inches	8 ounces	41¢



Lion Brand Butcher Knife. Fitted with ebony handle. Ground to a very keen, sharp edge.

	Length, Blade	Shipping Weight	Price
6R7400	6 inches	7 ounces	49¢
6R7402	7 inches	8 ounces	55¢



Wilbert Crackajack Slicer, or general household knife. Cocobolo handle, three large head brass rivets, single bolster, clip point, quality steel blade. Length of blade, 9½ inches. Shipping weight, 8 ounces.

	Length, Blade	Shipping Weight	Price
6R7420	10 inches	11 ounces	55¢



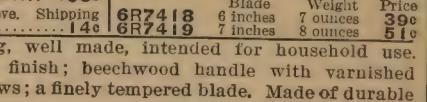
Butcher Knife. Represents a strong, well finished, low priced knife.

	Length, Blade	Shipping Weight	Price
6R7422	6 inches	7 ounces	20¢
6R7424	8 inches	9 ounces	30¢



Boss Kitchen Saw. Flat steel frame, beechwood handle and attachment for tightening blade. Blade, 14 inches; width, ½ inch. Weight 13 ounces. Shipping weight, 1 pound.

	Length, Blade	Shipping Weight	Price
6R7556	14 inches	1 pound	63¢



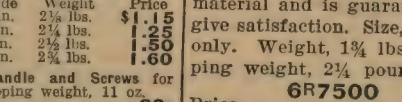
Lion Brand Skinning Knife. Beechwood handle. Well tempered and possesses excellent cutting qualities.

	Length, Blade	Shipping Weight	Price
6R7418	6 inches	7 ounces	39¢
6R7419	7 inches	8 ounces	51¢



Household Saw. Strong, well made, intended for household use.

	Length, Blade	Shipping Weight	Price
6R7500	20 inches	bright finish; beechwood handle with varnished edges; three brass plated screws; a finely tempered blade. Made of durable material and is guaranteed to give satisfaction. Size, 20-inch only. Weight, 1¾ lbs. Shipping weight, 2¼ pounds.	\$1.17



Flat 20-inch frame, bright finish; beechwood handle with varnished edges; three brass plated screws; a finely tempered blade. Made of durable

	Length, Blade	Shipping Weight	Price
6R7528	18 inches	16 oz	\$1.70
6R7530	20 inches	17 oz	1.80



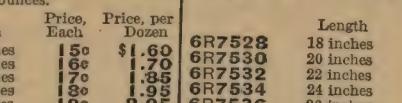
Kelsel Butchers' Saw. Steel frame, 1 inch wide, ¼ inch thick, fitted with polished beechwood handle, fastened by three large nickel plated screws. All come fitted with ¼-inch spring steel butcher saw blades.

	Length, Blade	Shipping Weight	Price
6R7514	18 in.	2½ lbs.	\$1.70
6R7516	20 in.	3 lbs.	1.80
6R7518	22 in.	3½ lbs.	1.90
6R7520	24 in.	3½ lbs.	1.95



Double End Scraper for Hogs. Heavy gauge galvanized steel; hardwood handle. Shipping weight, 9 ounces.

	Length, Blade	Shipping Weight	Price
6R7585	9 inches	2½ pounds	1.85
6R7574	10 inches	4 pounds	2.10



Length 9 inches. Width 2½ inches. Weight 2½ pounds.

	Length, Blade	Shipping Weight	Price
6R7576	12 inches	1½ pounds	\$1.25
6R7577	14 inches	1½ pounds	1.45



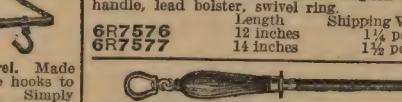
Lion Brand Butchers' Steel. English pattern, handle, lead bolster, swivel ring.

	Length, Blade	Shipping Weight	Price
6R7578	12 inches	1½ pounds	\$1.25
6R7579	14 inches	1½ pounds	1.45



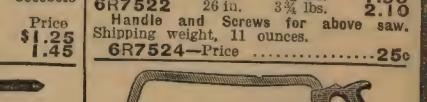
Hog Hook. Made from steel. Diameter, ½ inch. Length of hook, 7½ inches; length of handle, 9 inches. Weight, 12 ounces. Shipping weight, 1 pound.

	Length, Blade	Shipping Weight	Price
6R7586	9 inches	2½ pounds	1.85
6R7574	10 inches	4 pounds	2.10



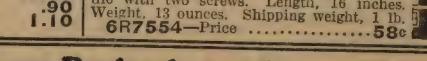
Length 9 inches. Width, ½ inch. Weight, 12 ounces. Shipping weight, 1 pound.

	Length, Blade	Shipping Weight	Price
6R7592	9 inches	2½ pounds	\$2.25
6R7589	10 inches	3½ pounds	2.25



Lion Brand Butchers' Steel. Oriental rosewood handle with steel swivel ring. Nickel plated hexagon guard to prevent rolling. Strong construction throughout.

	Length, Blade	Shipping Weight	Price
6R7580	10 inches	1½ pounds	\$0.80
6R7581	12 inches	1½ pounds	.90

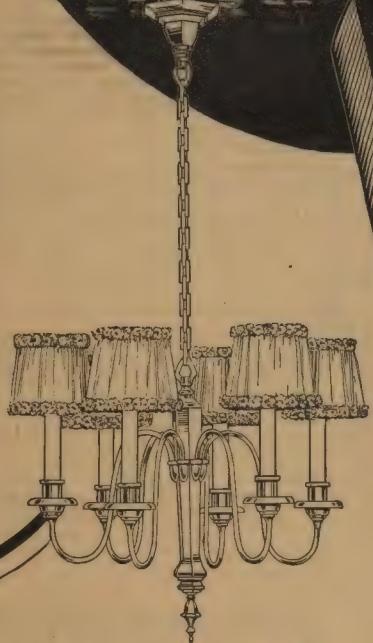


Our 50-Cent Kitchen Saw. Flat steel frame. Good steel blade. Beechwood handle with two screws. Length, 16 inches. Weight, 13 ounces. Shipping weight, 1 lb.

	Length, Blade	Shipping Weight	Price
6R7554	16 inches	1 lb.	.50

Our New Lighting Fixture Catalog

Ask
for
It



ELECTRIC, GAS
and
COMBINATION
**LIGHTING
FIXTURES**
Table Lamps, Floor Lamps,
Electric Wiring Material,
Lighting Glassware
Sears, Roebuck and Co.
Chicago



Send Today for This Book

THE lighting is a most important feature of a well appointed home. Our new Lighting Fixture Catalog illustrates a comprehensive line of Lighting Fixtures, embodying the latest ideas in modern illumination. It also contains a complete selection of standard electrical house wiring materials, lighting glassware and portable lamps. It will pay you to send for this catalog. Quality should be considered when buying lighting fixtures. Quality is the foundation of our line, and our liberal guarantee protects you.

Have you been thinking of putting a new lighting fixture in your living room or dining room, something to replace the old one that's an eyesore to you? Or is the lighting of the bedroom bad, making it hard to see how to dress? Why not put that new fixture in right away?

Perhaps you have a house or an apartment to rent or sell. Why not make it more beautiful and valuable by installing attractive Lighting Fixtures? The increase in the rent or sale price will pay for the fixtures many times over.

Our electric fixtures are properly con-

structed and wired for use with either city current or any home lighting plant.

Our fixtures are shipped to you completely assembled, wired ready to hang, fitted with "NOTORCH" attachments, which enables you to install them without the use of a soldering torch or any tools other than a screwdriver.

Don't delay—write today for your copy of our new Lighting Fixture Catalog. We will send it to you free. Take advantage of our low prices and order your lighting fixtures at your earliest opportunity.

Our fixtures are approved by the Underwriters' Laboratories, Inc., under the direction of the National Board of Fire Underwriters, and each and every fixture bears their stamp of approval in the form of a serial numbered label.

Our Lighting Fixture Catalog also lists:
Acetylene Gas
Burners
Brackets
Cleats
Clusters
Conduits
Desk Lamps
Domes
Drop Cords
Floor Lamps
Glassware

Our Lighting Fixture Catalog also lists:
Insulating
Joints
Outlet Boxes
Plugs
Receptacles
Rubber Covered
Wire
Shades
Sockets
Switches
Table Lamps
Tungsten
Lamps

Our Famous Crystalline Bells

GUARANTEED FOR FIVE YEARS AGAINST BREAKAGE.
Celebrated for their volume of sound and for their loud, clear, round and sweet tone. These bells are cast from a special mixture of metal of high quality. Thousands of schools, churches and factories use our crystalline bells with perfect satisfaction.

We allow sixty days' trial on every Crystalline Bell we sell. During this period you can give it a thorough trial, compare it in tone, volume and quality with composition bells of any other make, and if you find any reason to be dissatisfied, you can return the bell to us at our expense and we will return to you every cent you paid for it and freight charges.

We guarantee these bells for five years against breakage and should any part break through defect in material or workmanship, we will furnish a new part to replace the broken one, or, if necessary, an entire new bell without extra charge.

Our schoolhouse, factory and church bells are all of the same general design. Thirty-eight-inch and larger bells are mounted on roller bearings. These bearings enable one person to ring our largest bells with as great ease and regularity as ringing a small bell. Bells 24 inches and larger are fitted with our improved springs and clapper, which insures a full stroke of the clapper without the possibility of a second stroke. Large rope wheels are furnished with 20 to 36-inch bells and sectional wood rope wheels with 38 to 48-inch bells. Tolling hammer is furnished with church bells.

Prices are for the bells complete with frame, wheel and wood sills. Shipped from factory in CENTRAL OHIO.

Illustration Shows a Schoolhouse or Factory Bell.			
School and Factory Bells.	Diameter, Wt., Inches	Lbs.	Price
32R2800	20	165	\$ 8.65
32R2801	22	205	10.37
32R2802	24	250	13.55
32R2803	26	350	9.27
32R2804	28	450	25.67
32R2805	30	555	30.21

X-L-ALL Poultry and Rabbit Netting.
Shipped from our fencing factory at KNIGHTSTOWN, IND., or from our warehouse at KANSAS CITY, MO.

72 IN.
60 IN.
48 IN.
48 IN.
The standard grade is for poultry yards only. The top and bottom line wires are No. 14, and the intermediate line wires and the vertical stay wires are No. 18 hard galvanized steel wire. The heavy grade is heavy enough to use for a light fencing around gardens and orchards, but is lighter than our X-L-ALL Poultry and Farm Fencing listed in our Big Catalog, and is not intended to serve as regular farm fencing. The top and bottom line wires of the heavy grade are No. 14, and the intermediate line wires and vertical stay wires are No. 16 hard galvanized steel wire.

32R5463—X-L-ALL Poultry Netting.

Standard grade. Height, inches..... 48 60 72
Wt. per bale, 10 rods, 33 lbs. 44 lbs. 51 lbs.
Per bale, at Factory. \$3.79 \$4.31 \$4.83

at Kansas City, Mo. 4.04 4.59 5.16

32R5464—X-L-ALL Poultry and Rabbit

Netting. Heavy grade. Height, inches..... 48 60 72
Wt. per bale, 10 rods, 62 lbs. 72 lbs. 88 lbs.
Per bale, at Factory. \$5.12 \$5.91 \$6.70

Price, per bale, at Kansas City, Mo. 5.52 6.37 7.23

Church Bells.			
Diameter, Wt., Inches	Lbs.	Price	
32R2822	24	200	\$15.75
32R2823	26	385	21.50
32R2824	28	465	28.60
32R2825	30	570	33.55
32R2826	32	610	37.95
32R2827	34	765	44.70
32R2828	36	950	53.25
32R2829	38	1,010	62.15
32R2830	40	1,300	71.65
32R2831	44	1,790	95.75
32R2832	48	2,280	121.50

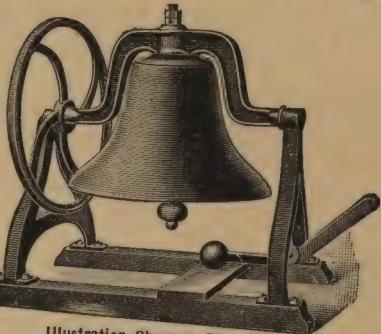


Illustration Shows a Church Bell.

Diamond Mesh Poultry Netting.

This netting is woven from genuine Bessemer hard steel wire which is "galvanized before weaving."

Our poultry netting is put up in rolls containing 150 feet. We do not sell less than full rolls. Shipped from our CHICAGO store.

GALVANIZED BEFORE WEAVING.

32R5452—Diamond Mesh Poultry Netting, with 2-inch mesh, made from No. 19 wire. The standard size mesh most generally used.

Width, Inches	Wt., Lbs. (150 Ft. Bales)	Price	Width, Inches	Wt., Lbs. (150 Ft. Bales)	Price
12	12	\$1.37	42	37	\$3.94
18	16	1.94	48	43	4.49
24	22	2.47	54	48	5.04
30	27	2.95	60	52	5.61
36	32	3.40	72	63	6.75

32R5453—Diamond Mesh Poultry Netting, with 1½-inch mesh, made from No. 19 wire. Suitable for poultry yards, pigeon coops, etc.

Width, Inches	Wt., Lbs. (150 Ft. Bales)	Price	Width, Inches	Wt., Lbs. (150 Ft. Bales)	Price
12	18	\$1.96	42	51	\$5.72
18	24	2.83	48	58	6.54
24	30	3.60	54	64	7.38
30	36	4.20	60	69	8.17
36	44	4.90	72	82	9.80

32R5454—Diamond Mesh Poultry Netting, with 1-inch mesh, made from No. 20 wire. Desirable for use at the bottom of fences to keep small chicks inside, and to prevent pests from intruding.

Width, Inches	Wt., Lbs. (150 Ft. Bales)	Price	Width, Inches	Wt., Lbs. (150 Ft. Bales)	Price
12	16	\$2.71	36	47	\$7.35
18	25	3.87	42	53	8.58
24	34	4.95	48	60	9.87
30	38	5.90			

Quick Cut Grindstone

ANTI-FRICTION
BALL BEARINGS



Angle Steel Frame. \$4.90

Safe Delivery and Complete Satisfaction Guaranteed.

Our grindstones cut fast, are well made and will give years of satisfactory service. High quality free cutting stone. Frame is rigid and stands solid when in use. Ball bearings insure easy and steady running. Complete with water can, as illustrated. Shipping weight, about 10 pounds.

99R1190—Our price. \$4.90

Berea Unmounted Grindstones. \$1.35

Quick cutting, well finished grindstones. Will not glaze. State No. 3 size wanted.

99R1195	Shpg. Diam., In.	Wt., Abt.	Abt., Lbs.	Price
1	16	40	10	\$0.90
2	18	50	15	1.15
3	20	60	1.35	
4	22	80	1.80	
5	24	100	2.25	
6	26	120	2.70	
7	28	150	3.40	
8	29	175	3.95	

Ball Bearing Grindstone Fixture. \$1.05

For Mounting Grindstone on Wood Frame.

Support stones from 2 to 2½ inches thick. Furnished complete, as illustrated, with screws for attaching. Weight, about 6 pounds.

9R5726—Price \$1.05

Roller Bearing Grindstone Fixture.

Adjustable for different thickness stones. With screws for attaching. Give length.

9R5725

Length, inches..... 15 17 19 21
For stone, lbs..... 40 60 80 100
Weight, about, lbs.... 6 6 6 7
Price, per set..... 65c 75c 85c 95c

Our Wizard Tubular Frame Grindstone.

Our Price, \$6.95



Guaranteed to give complete satisfaction.

Shpg. wt., about 115 pounds.

A grindstone of extra quality at a price that means a substantial saving. The Wizard is well made, easy running, carefully fitted and well finished throughout.

DESCRIPTION.

Four Genuine Bronze Bearings.

Two Brass Oil Cups.

Large Water Can. \$6.95

Adjustable Seat With Guard.

EXPRESS RATES

Your express agent will tell you the exact rates from Chicago to your home town and give you full information in reference to their delivery service. If there is no express agent at your shipping point you must send money to prepay express charges. If there is an agent you can pay the express charges when shipment reaches you. It is necessary to prepay only when there is no agent at your station.

HOW TO FIGURE EXPRESS CHARGES

First estimate the weight of goods you are ordering; then find the rate per 100 pounds by express to your nearest city in the Table of Rates below; then consult the Scale of Express Charges, following the line for the weight of your goods to the column headed by your express rate per 100 pounds, and the amount shown will be the express charges.

Tables showing the Express Rates per 100 pounds on goods shipped from Chicago to a number of cities in each state, these cities being used as a basis for figuring rates for all the towns in the immediate vicinity of each city.

If the exact rate per 100 pounds to your town is not shown in any of the headings of this scale, take the rate shown for the town nearest you and the express charges will be about the same as to your town.

The table of Express Rates also shows the parcel post zone of the various cities named below, enabling you to make an approximate comparison between the express charges and the parcel post charges to the zone in which you live. For Parcel Post Rates see page 693.

EXPRESS RATES PER 100 POUNDS TO CITIES IN EACH STATE.

From Chicago to	Parcel Post Zone	Express, per 100 Pounds.	From Chicago to	Parcel Post Zone	Express, per 100 Pounds.	From Chicago to	Parcel Post Zone	Express, per 100 Pounds.	From Chicago to	Parcel Post Zone	Express, per 100 Pounds.	From Chicago to	Parcel Post Zone	Express, per 100 Pounds.
ALABAMA—			GEORGIA—			MARYLAND—			NEW JERSEY—			SOUTH DAKOTA—		
Birmingham	4	\$2.80	Atlanta	4	\$3.02	Baltimore	4	\$2.84	Atlantic City	5	\$2.80	Aberdeen	4	\$3.63
Brewton	5	3.30	Macon	5	3.30	Trenton	5	2.80	Bellefonte	5	4.34	Watertown	4	2.86
Mobile	5	3.41	Savannah	5	3.68	Santa Fe	6	5.39	Sioux Falls	4	2.80	Nashville	4	3.19
Montgomery	5	3.02	Waycross	5	3.63	Silver City	6	7.04	Watertown	4				
ARIZONA—			IDAHO—			Detroit	3	1.54	Jackson	4	2.31			
Phoenix	7	8.96	Boise	7	8.80	Grand Rapids	2	1.26	Knoxville	4	2.80			
Tucson	6	8.03	Pocatello	6	7.86	Traverse City	3	1.92	Memphis	4	2.47			
ARKANSAS—			ILLINOIS—			Aitkin	4	3.08	New York	5	2.80	Nashville	4	2.09
Arkansas City	4	2.91	Cairo	4	1.81	Crookston	4	3.52	Syracuse	4	2.36	Fort Worth	6	6.71
Fort Smith	4	3.35	Joliet	1	.82	Duluth	4	2.80	Asheville	4	3.02	Houston	5	4.40
Hot Springs	4	3.35	Rock Island	2	1.26	Grand Rapids	4	3.19	Raleigh	5	3.41	Houston	5	4.67
Little Rock	4	3.08	Springfield	3	1.43	Minneapolis	4	2.38	Wilmington	5	3.68	Utica	6	8.19
Texarkana	5	3.63	INDIANA—			Winona	3	2.03	North Carolina			Marysville	6	7.42
CALIFORNIA—			EVANSVILLE			Hattiesburg	5	3.19	Bismarck	5	4.18	Salt Lake City	6	
Bakersfield	7	9.95	Fort Wayne	3	1.26	Jackson	5	3.08	Fargo	4	3.35	Montpelier	5	2.91
Los Angeles	7	9.95	Indianapolis	2	1.26	Natchez	5	3.35	Grand Forks	5	3.74	Marion	4	2.86
San Francisco	8	10.39	Richmond	3	1.54	St. Louis	4	2.47	Minneapolis	5	4.34	Richmond	4	3.02
COLORADO—			SOUTH BEND	2	.99	Springfield	4	2.64	Williston	5	4.67	Rocky Mount	4	3.02
Denver	5	4.78	Des Moines	3	2.14	MONTANA—			OHIO—			Washington		
Durango	6	6.65	Fort Dodge	3	2.31	BILLINGS	6	6.10	Cincinnati	3	1.54	Seattle	7	9.62
Grand Junction	6	6.21	Sioux City	4	2.86	Glasgow	6	5.39	Columbus	3	1.81	Spokane	7	8.69
Julesburg	5	4.23	KANSAS—			Havre	6	8.27	Toledo	3	1.43	Elkins	4	2.20
Leadville	5	5.66	Dodge City	5	4.07	HELENA	6	7.37	Oklahoma City	5	3.96	Wheeling	4	2.58
CONNECTICUT—			Great Bend	5	3.63	Kalispell	6	7.64	OREGON—			West Virginia		
Hartford	5	2.97	Kansas City	5	2.47	MILES CITY	5	5.33	HARRISBURG	4	2.53	Charleston	4	2.20
DELAWARE—			Topeka	4	2.64	NEBRASKA—			Philadelphia	5	2.64	Elkins	4	2.58
Dover	5	2.69	Wichita	4	3.63	North Platte	5	8.90	Pittsburgh	4	2.03	Madison	3	1.43
DISTRICT OF COLUMBIA—			FRANKFORT			OMAHA	5	2.64	RHODE ISLAND—			Marietta	3	2.09
Washington	4	2.64	HOPKINSVILLE	3	1.70	MILES CITY	5	2.86	PROVIDENCE	5	2.97	Milwaukee	2	1.15
FLORIDA—			Louisville	4	1.92	LOUISIANA—			SOUTH CAROLINA—			Cheyenne	5	4.73
Jacksonville	5	3.96	MOREHEAD	5	1.54	Louisville	5	2.86	CHARLESTON	5	3.90	Green River	6	6.54
Miami	6	5.17	Lake Charles	5	3.90	OMAHA	4	9.13	GREENVILLE	5	3.41	Lander	6	6.05
Pensacola	5	3.57	New Orleans	5	3.57	NEW ORLEANS	7	9.68	SUNTER	5	3.68	Sheridan	5	5.33
Tallahassee	5	3.68	Shreveport	5	3.74	NEW NEVADA	7	9.13	SOUTH CAROLINA—					
Tampa	5	4.56	MAINE—			AUSTIN	7	9.13	CHARLESTON	5	3.90			
			BANGOR	5	3.41	CARSON CITY	7	9.68	GREENVILLE	5	3.41			
						NEW HAMPSHIRE—	5	2.97	SUNTER	5	3.68			

SCALE OF EXPRESS CHARGES BASED ON THE RATE PER 100 POUNDS.

Rate per 100 lbs...\$0.82	\$0.99	\$1.15	\$1.26	\$1.43	\$1.54	\$1.65	\$1.70	\$1.81	\$1.92	\$1.98	\$2.03	\$2.09	\$2.14	\$2.20	
CHARGES ON															
Packaging of 1 lb...	.29	.29	.29	.29	.29	.29	.29	.29	.29	.30	.30	.30	.30	.30	.30
Packaging of 2 lbs...	.29	.29	.30	.30	.30	.30	.30	.31	.31	.31	.31	.31	.31	.31	.31
Packaging of 5 lbs...	.30	.31	.32	.32	.33	.34	.34	.35	.35	.36	.36	.36	.36	.36	.37
Packaging of 10 lbs...	.33	.34	.36	.37	.38	.40	.41	.42	.43	.44	.44	.45	.45	.46	.46
Packaging of 15 lbs...	.35	.38	.41	.42	.45	.46	.48	.48	.50	.52	.53	.54	.55	.56	.56
Packaging of 20 lbs...	.38	.42	.45	.47	.51	.53	.55	.56	.58	.60	.62	.63	.64	.65	.66
Packaging of 25 lbs...	.41	.45	.49	.52	.56	.59	.62	.63	.66	.68	.70	.71	.73	.74	.76
Packaging of 30 lbs...	.44	.48	.54	.57	.62	.65	.68	.70	.74	.77	.78	.80	.81	.84	.85
Packaging of 35 lbs...	.46	.53	.58	.62	.68	.71	.76	.77	.81	.85	.87	.89	.91	.92	.95
Packaging of 40 lbs...	.49	.56	.63	.67	.74	.78	.82	.85	.89	.93	.96	.98	1.00	1.02	1.04
Packaging of 45 lbs...	.52	.59	.67	.71	.79	.85	.89	.91	.97	1.01	1.04	1.07	1.09	1.11	1.14
Rate per 100 lbs...\$2.31	\$2.36	\$2.47	\$2.53	\$2.58	\$2.64	\$2.69	\$2.80	\$2.86	\$2.91	\$2.97	\$3.02	\$3.08	\$3.19	\$3.24	\$3.30
CHARGES ON															
Packaging of 1 lb...	.30	.30	.30	.30	.30	.30	.30	.30	.30	.31	.31	.31	.31	.31	.31
Packaging of 2 lbs...	.32	.32	.32	.32	.32	.33	.33	.33	.33	.33	.33	.33	.34	.34	.34
Packaging of 5 lbs...	.37	.37	.38	.38	.40	.40	.41	.41	.41	.42	.42	.43	.43	.44	.44
Packaging of 10 lbs...	.47	.48	.49	.49	.51	.51	.52	.53	.53	.54	.55	.56	.57	.58	.59
Packaging of 15 lbs...	.58	.58	.60	.62	.62	.63	.64	.65	.66	.67	.68	.69	.71	.73	.75
Packaging of 20 lbs...	.68	.69	.71	.73	.74	.75	.76	.78	.79	.80	.81	.82	.84	.86	.89
Packaging of 25 lbs...	.78	.79	.82	.84	.85	.87	.88	.90	.92	.93	.95	.96	.98	1.00	1.04
Packaging of 30 lbs...	.88	.90	.93	.95	.97	.98	1.00	1.03	1.04	1.07	1.08	1.10	1.11	1.17	1.20
Packaging of 35 lbs...	.99	1.00	1.04	1.07	1.08	1.10	1.12	1.15	1.18	1.20	1.22	1.23	1.25	1.30	1.38
Packaging of 40 lbs...	1.09	1.11	1.15	1.18	1.20	1.22	1.24	1.29	1.31	1.33	1.35	1.37	1.41	1.43	1.46
Packaging of 45 lbs...	1.19	1.21	1.26	1.29	1.31	1.34	1.41	1.46	1.48	1.50	1.54	1.56	1.59	1.62	1.64
Rate per 100 lbs...\$3.74	\$3.90	\$3.96	\$4.01	\$4.07	\$4.18	\$4.23	\$4.34	\$4.40	\$4.56	\$4.67	\$4.73	\$4.78	\$5.17	\$5.33	\$5.39
CHARGES ON															
Packaging of 1 lb...	.31	.31	.31	.31	.31	.32	.32	.32	.32	.32	.32	.33	.33	.33	.33
Packaging of 2 lbs...	.34	.35	.35	.35	.35	.35	.35	.35	.36	.36	.36	.36	.36	.37	.37
Packaging of 5 lbs...	.45	.45	.46	.46	.47	.47	.47	.48	.48	.49	.49	.50	.51	.52	.57
Packaging of 10 lbs...	.62	.64	.64	.65	.66	.67	.68	.68	.70	.71	.73	.76	.78	.81	.87
Packaging of 15 lbs...	.79	.81	.82	.84	.85	.86	.87	.88	.89	.91	.93	.95	.95	1.01	1.17
Packaging of 20 lbs...	.97	1.00	1.01	1.02	1.03	1.06	1.07	1.09	1.10	1.13	1.15	1.17	1.18	1.21	1.37
Packaging of 25 lbs...	1.14	1.18	1.20	1.21	1.22	1.25	1.26	1.29	1.31	1.34	1.37	1.39	1.40	1.55	1.77
Packaging of 30 lbs...	1.31	1.36	1.31	1.40	1.41	1.44	1.46	1.50	1.51	1.56	1.59	1.61	1.74	1.80	2.00
Packaging of 35 lbs...	1.48	1.54	1.56	1.58	1.61	1.64	1.66	1.69	1.72	1.77	1.81	1.84	1.85	2.05	2.26
Packaging of 40 lbs...	1.66	1.73	1.75	1.77	1.79	1.84	1.86	1.90	1.92	1.99	2.03	2.06	2.23	2.30	2.58
Packaging of 45 lbs...	1.84	1.90	1.94	1.96	1.98	2.03	2.06	2.10	2.13	2.25	2.28	2.30	2.47	2.55	2.87
Rate per 100 lbs...\$6.54	\$6.65	\$6.71	\$7.04	\$7.31	\$7.37	\$7.42	\$7.64	\$7.86	\$8.03	\$8.19	\$8.69	\$8.80	\$8.96	\$9.13	\$9.62
CHARGES ON															
Packaging of 1 lb...	.34	.34	.34	.34	.34	.34	.34	.35	.35	.35	.36	.36	.36	.37	.37
Packaging of 2 lbs...	.40	.41	.41	.41	.42	.42	.42	.42	.43	.43	.44	.44	.45	.46	.47
Packaging of 5 lbs...	.58	.59	.59	.62	.63	.63	.64	.64	.65	.66	.67	.69	.70	.71	.78
Packaging of 10 lbs...	.90	.91	.91	.95	.98	.98	.99	.99	1.03	1.04	1.07	1.11	1.12	1.14	1.29
Packaging of 15 lbs...	1.21	1.23	1.24	1.29	1.33	1.34	1.34								

FREIGHT RATES

Table showing the freight rates per 100 pounds on goods shipped from Chicago to a number of cities in each state, these cities being used by the railroads as a basis for figuring rates for all the towns in the immediate vicinity of each city.

RAILROAD COMPANIES FIGURE FREIGHT RATES WITH THE LARGER CITIES IN EACH STATE AS A BASIS. All other towns located in the same part of the state as any one of these cities take practically the same rate or only a few cents per 100 pounds more or less than the rate to the larger city.

Please consult the following Table of Rates, considering it in connection with the classification of merchandise, and you will be able to determine easily, almost exactly, what the freight will amount to on any goods. If your station is not named in this table, the rate to your station will be very nearly the same as the rate to the nearest city named, or you may ask your freight agent.

CLASSIFICATION OF MERCHANDISE FOR FREIGHT SHIPMENTS.

You will notice in the Freight Table below there are four different rates quoted to each city, first class, second class, third class and fourth class. This is because the railroad companies base their rates on the kind of merchandise to be carried. In order, therefore, to give you an idea as to the rate which any kind of merchandise will take to your nearest city, we tell you here the kind of merchandise which takes the different classes of rates.

FOUR TIMES FIRST CLASS

	FIRST CLASS	FIRST CLASS	FIRST CLASS	FIRST CLASS
Row Boats (East and South)	Ammunition (South)	Graphophones	Wagon Wheels (East and West)	Oilcloth
Automobile Repairs	Harness and Saddlery	Horse Clipping Machines (South)	Plumbing Material	Oils (East)
Awnings	Incubators (West and South)	Incubators (West and South)	Refrigerators	Pulleys
Baby Carriages (South)	Ladders (West and South)	Loaded Gun Shells (South)	Sewing Machines (South)	Toiles (East)
Bathtubs	Lamps	Milk Cans (West and South)	Tool (West and South)	Vases (East R26)
Books	Boat Sleds (West)	Matting	Vacuum Cleaners	Windmills (East R25)
Boots and Shoes	Brooders	Morris Chairs	Wagons, Children's (West)	Wire Fencing (East R26)
Buggies (54-in. crates) (East)	Buggies (34-in. crates) (West and South)	Oil Stoves	Wall Paper	Amvis
Cameras (West)	Cameras (East and South)	Pianos and Organs	Hand Washing Machines	Chick Feed and Scratch Feed (West). See page 617.
Dress Forms	Camera Supplies	Pictures	Woodenware	Concrete Block Machines (South)
Reed Chairs (South)	Carpets	Rubber Goods	Wringers	Crockery (South)
Road Carts	Chinaware (South)	Clocks	Wheelbarrows	Grindstones with Frames (South)
Sleds, Children's (West)	Clothing	Rugs	Iron	Paints (West and South)
1½ TIMES FIRST CLASS	Concrete Block Machines (East)	Sewing Machines (West and East)	Forges (East and South)	Poultry Food
Baby Carriages (East and West)	Couches	Sporting Goods	Gasoline Engines (East)	Prepared Roofing (East R26)
Bicycles	Curtains	Stationery	Glassware (East R25)	Steel Roofing
Buggies (34-in. crates) (East)	Desks (West and South)	Tents	Graniteware	Steel Sidings
Buggies (54-in. crates) (West and South)	Dresses (East and West)	Timeware	Grindstones with Frames (East R26)	Stock Food
Desks (East)	Drugs	Toys	Hardware (West and South)	Wagons, Farm (South)
Dry Goods	Trunks (West and South)	Incubators (East)	(West and East)	Wagon Wheels (South)
Electrical Goods	Valises	Ladders (East)	Hand Pumps (East R25)	Wire, Plain or Barbed
Fires Arms	Wagons, Children's (East and South)	Linoleum	Hardware (East)	CHICK FEED CLASS "D"
Forces (West)	Wagons, Farm (East and West)	Loaded Gun Shells (West and East)	Iron Pots and Kettles	Chick Feed and Scratch Feed (East). See page 617.
Trunks (East)			Iron Safes	

THREE TIMES FIRST CLASS

	FIRST CLASS	SECOND CLASS	THIRD CLASS	FOURTH CLASS
Drums (musical)	Awnings	Bob Sleds (West)	Church, School and Farm	Stump Pullers (East R25)
Ice Chairs (East and West)	Bath tubs	Chinaware (East and West)	Bells (East R25)	Toiles (East)
Row Boats (West)	Books	Concrete Block Machines (West)	Crockery (East R26)	Vases (East R26)
DOUBLE FIRST CLASS	Boots and Shoes	Cream Separators	Farm Implements (East R25)	Windmills (East R25)
Buggies (54-in. crates) (East)	Brooders	Crocker (West)	Gasoline Engines (South)	Wire Fencing (East R26)
Cameras (West)	Buggies (34-in. crates) (West and South)	Dressers (South)	Grindstones with Frames (South)	Amvis
Dress Forms	Cameras (East and South)	Extension Tables	Hand Washing Machines	Chick Feed and Scratch Feed (West). See page 617.
Reed Chairs (South)	Camera Supplies	Feed Troughs, Cast or Wrought Iron	Woodenware	Concrete Block Machines (South)
Road Carts	Carpets	Forges (East and South)	Wringers	Crockery (South)
Sleds, Children's (West)	Chinaware (South)	Gasoline Engines (East)	Wheelbarrows	Grindstones with Frames (South)
1½ TIMES FIRST CLASS	Clothing	Glassware (East R25)	Iron	Paints (West and South)
Baby Carriages (East and West)	Concrete Block Machines (East)	Graniteware	Farms	Poultry Food
Bicycles	Couches	Grindstones with Frames (West)	Prepared Roofing (East R26)	Prepared Roofing
Buggies (34-in. crates) (East)	Curtains	Horse Clipping Machines (West)	Steel Roofing	Steel Roofing
Buggies (54-in. crates) (West and South)	Desks (West and South)	Incubators (West and South)	Steel Sidings	Steel Sidings
Desks (East)	Dresses (East and West)	Ladders (West and South)	Stock Food	Stock Food
Dry Goods	Drugs	Linoleum	Wagons, Farm (South)	Wagons, Farm (South)
Electrical Goods	Trunks (West and South)	Loaded Gun Shells (West and East)	Wagon Wheels (South)	Wagon Wheels (South)
Fires Arms	Valises		Wire, Plain or Barbed	Wire, Plain or Barbed
Forces (West)	Wagons, Children's (East and South)			
Gasoline Engines (West)	Wagons, Farm (East and West)			
Trunks (East)				

HOW TO SAVE ON FREIGHT CHARGES. In having goods shipped by freight, it pays you to make up an order of 100 pounds or more, because railroad companies usually charge as much for a shipment weighing less than 100 pounds as they do for one weighing 100 pounds.

If there is no freight agent at your shipping point you must send money to prepay freight charges. If there is an agent you can pay the freight charges when shipment reaches you. It is necessary to prepay only when there is no agent at your station.

WHEN YOU LEAVE THE METHOD OF SHIPMENT TO US we always choose the cheapest method.

HERE ARE THE RATES PER 100 POUNDS TO DIFFERENT TOWNS IN EACH STATE.

From Chicago to		From Chicago to		From Chicago to	
1st Class Freight per 100 Pounds.	2d Class Freight per 100 Pounds.	3d Class Freight per 100 Pounds.	4th Class Freight per 100 Pounds.	1st Class Freight per 100 Pounds.	2d Class Freight per 100 Pounds.
ALABAMA—					
Birmingham	\$1.86	\$1.57	\$1.32	\$1.07	
Brewton	2.06	1.70	1.40	1.16	
Mobile	1.38	1.13	.94	.73	
Montgomery	1.87	1.64	1.40	1.10	
ARIZONA—					
Phoenix	3.63	3.14	2.62	2.19	
Tucson	3.63	3.14	2.62	2.19	
ARKANSAS—					
Arkansas City	1.50	1.27	.97	.74	
Fort Smith	1.63	1.39	1.09	.87	
Hot Springs	1.94	1.65	1.32	1.02	
Little Rock	1.50	1.27	.97	.74	
Texarkana	1.84	1.59	1.35	1.20	
CALIFORNIA—					
Bakersfield	4.25	3.69	3.07	2.59	
Los Angeles	4.25	3.69	3.07	2.59	
San Francisco	4.25	3.69	3.07	2.59	
COLORADO—					
Denver	2.25	1.82	1.38	1.07	
Durango	4.00	3.38	2.69	2.01	
Grand Junction	3.32	2.79	2.32	1.87	
Julesburg	2.10	1.76	1.34	1.07	
Leadville	3.32	2.79	2.32	1.87	
CONNECTICUT—					
Hartford	1.22	1.07	.82	.58	
DELAWARE—					
Dover	1.13	.99	.75	.53	
DIST. OF COLUMBIA—					
Washington	1.09	.95	.72	.49	
FLORIDA—					
Jacksonville	1.83	1.55	1.37	1.20	
Miami	3.05	2.64	2.33	2.07	
Pensacola	1.38	1.13	.94	.73	
Tallahassee	2.48	2.14	1.84	1.49	
Tampa	2.46	2.09	1.79	1.60	
GEORGIA—					
Atlanta	1.98	1.70	1.44	1.17	
Macon	1.98	1.70	1.44	1.17	
Savannah	1.83	1.55	1.37	1.20	
Waycross	2.33	2.00	1.77	1.47	
IDAHO—					
Boise	3.52	3.02	2.50	2.07	
Pocatello	3.32	2.79	2.32	1.87	
ILLINOIS—					
Cairo	.59	.48	.38	.30	
Joliet	.27	.22	.18	.15	
Rock Island	.47	.38	.29	.24	
Springfield	.49	.39	.30	.25	
INDIANA—					
Evansville	.64	.55	.43	.32	
Fort Wayne	.51	.43	.34	.26	
Indianapolis	.57	.48	.38	.28	
Richmond	.60	.51	.40	.30	
South Bend	.42	.36	.28	.22	
IOWA—					
Des Moines	.75	.60	.45	.34	
Fort Dodge	.82	.65	.49	.37	
Sioux City	1.00	.82	.57	.40	
KANSAS—					
Dodge City	2.03	1.74	1.35	1.04	
Great Bend	1.82	1.53	1.19	.96	
Kansas City	1.00	.82	.57	.40	
Topeka	1.25	1.03	.74	.54	
Wichita	1.63	1.39	1.08	.82	
MISSOURI—					
Aitkin					
Crookston					
Duluth					
Grand Rapids					
Minneapolis					
Winona					
MISSISSIPPI—					
Hattiesburg					
Jackson					
Natchez					
MISSOURI—					
Kansas City	1.00	.82	.57	.40	
St. Louis	.57	.47	.36	.29	
Springfield	1.03	.90	.63	.47	
ONTARIO—					
Billings	3.13	2.62	2.12	1.70	
Glasgow	2.82	2.40	1.94	1.48	
Havre	3.13	2.68	2.18	1.70	
Helena	3.32	2.83	2.32	1.87	
Kalispell	3.44	2.94	2.42	1.97	
Miles City	2.82	2.40	1.94	1.48	
NEBRASKA—					
Lincoln	1.07	.88	.62	.45	
North Platte	1.95	1.63	1.24	.98	
Omaha	1.00	.82	.57	.40	
NEVADA—					
Austin	4.57	4.10	3.62	3.02	
Carson City	3.94	3.46	2.93	2.51	
NEW HAMPSHIRE—					
Concord	1.22	1.07	.82	.58	
NEW JERSEY—					
Atlantic City	1.19	1.05	.82	.59	
Trenton	1.13	.99	.75	.53	
NEW MEXICO—					
Gallup	3.63	3.14	2.62	2.19	
Santa Fe	2.75	2.33	1.88	1.57	
Silver City	3.25	2.77	2.28	1.95	
NEW YORK—					
Albany	1.08	.95	.72	.51	
Buffalo	.78	.66	.52	.39	
New York	1.13	.99	.75	.53	
Syracuse	.90	.79	.60	.42	
NORTH CAROLINA—					
Asheville	1.82	1.60	1.37	1.07	
Raleigh	1.82	1.44	1.13	.84	
Wilmington	1.67	1.40	1.09	.84	
OHIO—					
Cincinnati	.64	.55	.43	.32	
Columbus	.67	.57	.45	.33	
Toledo	1.55	1.30	1.04	.73	
OKLAHOMA—					
Oklahoma City	1.88	1.62	1.34	1.09	
OREGON—					
Portland	4.25	3.69	3.07	2.59	
PENNSYLVANIA—					
Harrisburg	1.09	.95	.72	.50	
Philadelphia	1.10	.97	.73	.50	
Pittsburgh	.78	.66	.52	.40	
RHODE ISLAND—					
Providence	1.22	1.07	.82	.58	
SOUTH CAROLINA—					
Charleston	1.83	1.55	1.37	1.20	
Greenville	1.95	1.73	1.48	1.18	
Sumter	1.98	1.73	1.48	1.18	
SOUTH DAKOTA—					
Aberdeen	1.43	1.19	.84	.63	
Belle Fourche	2.43	2.03	1.69	1.38	
Sioux Falls	1.04	.85	.59	.43	
Watertown	1.20	1.03	.80	.57	
TENNESSEE—					
Jackson	1.33	1.09	.89	.63	
Knoxville	1.59	1.37	1.14	.92	
Memphis	1.07	.82	.69	.54	
Nashville	1.23	1.03	.82	.68	
TEXAS—					
El Paso	2.75	2.33	1.90	1.63	
Fort Worth	2.09	1.77	1.45	1.33	
Houston	2.09	1.77	1.45	1.33	
UTAH—					
Marysville	3.94	3.39	2.89	2.42	
Salt Lake City	3.32	2.79	2.32	1.87	
VERMONT—					
Montpelier	1.22	1.07	.82	.58	
VIRGINIA—					
Marion	1.24	1.08	.82	.57	
Richmond	1.00	.95	.72	.49	
Rocky Mount	1.49	1.25	.99	.74	
WASHINGTON—					
Seattle	4.25	3.69	3.07	2.59	
Spokane	3.63	3.14	2.62	2.19	
WEST VIRGINIA—					
Charleston	.78	.66	.52	.39	
Elkins	.90	.79	.60	.45	
Wheeling	.78	.66	.52	.39	
WISCONSIN—					
Ashland	.82	.69	.55	.35	
La Crosse	.63	.53	.42	.29	
Madison	.49	.43	.33	.23	
Marquette	.54	.45	.37	.29	
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9x12	9	1.16	8	.91	6	.80		
10x14	10	1.74	9	1.21	8	1.05		
12x15	12	2.51	12	1.60	10	1.59		

DO YOU USE CEMENT?



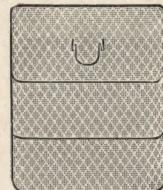
If you use cement or concrete for any purpose you should have a copy of our Special Concrete Machinery Catalog. It describes in full a complete line of Concrete Mixers, Sidewalk Forms and equipment for making concrete building blocks, brick, fence posts, tile, porch and balustrade material, chimneys and other products. It also tells you much about the use of cement and the manufacture of concrete products and will prove a valuable source of information for anyone interested in this work. Every machine or mold is sold on trial and is fully guaranteed by us.

Be sure to send us a letter or postal card and ask for this Special Concrete Machinery Catalog.



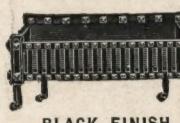
please you. The catalog is free and a request on a postal card will bring it to you.

Wire Spark Guard.



Size, In.	Weight	Price
63R94215	24x30	12 lbs. \$1.35
63R94216	30x30	15 lbs. 1.65
63R94217	36x30	16 lbs. 1.90
63R94218	36x36	19 lbs. 2.10

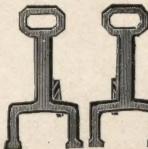
Cast Iron Portable Grate.



BLACK FINISH.

63R94082	Length, 23 1/4 inches.	Weight, 60 pounds.	Price, \$5.15
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Cast Iron Andirons and Fire Set.



Cast Iron Black Andirons. Height, 14 inches; weight, 25 pounds.

63R94150—Andirons. Price, per pair.....\$1.80

Black Fire Set. Stand and three utensils, shovel, tongs and poker. Wrought iron, cast handles. Height, 25 inches. Weight, 15 pounds.

63R94160—Fire Set. Price, complete.....\$3.90

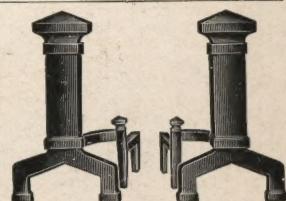


Height, 14

Price, per pair.....\$1.80

Stand and three utensils, shovel, tongs and poker. Wrought iron, cast handles. Height, 25 inches. Weight, 15 pounds.

63R94160—Fire Set. Price, complete.....\$3.90



Black Cast Iron Andirons. Height, 17 inches. Post, 3 inches square. Head, 5 inches. Weight, boxed, 70 pounds.

63R94125 Price, per pair.....\$6.25

Cast Iron Throat Damper.



Size of Fireplace Opening
20x30 36x30 42x36 48x36
Weight 30 lbs. 40 lbs. 50 lbs. 60 lbs.
Price \$4.80 5.00 6.00 6.75



Automatic Ash Dump. Size, 6x7 inches. Weight, 3 pounds.
63R94176 Price 50c

MAMMOTH OUTFIT OF DAILY FARM NECESSITIES



\$372
COMPLETE
AS ILLUSTRATED

Will Pay for Itself in a Short Time on Any Farm

Designed to take care of the average farm requirements for quick repairs. Just the right quantities of each article furnished to meet the ordinary farm needs.

This Is What You Get

100 assorted carriage bolts, 50 assorted machine bolts, 5 pounds assorted washers, 12 boxes assorted tubular rivets, 2 1/2 pounds assorted threaded nuts, 45 assorted Positive Lock washers, 1 gross assorted flat head bright wood screws. Shipping weight of outfit, 25 pounds.

99R3075—Entire outfit, as illustrated and described. Price..... **\$3.72**



OUR ORIGINAL BIG 100 CARRIAGE BOLT ASSORTMENT

With a Nut Screwed on Every Bolt.

Bolts have round heads, square shoulders, deep threads and full size nuts. Assortment includes seventeen assorted sizes from 1/4x1 1/2 to 3/8x5 inches. Shipping weight, about 9 pounds.

9R3017—Our price..... **\$1.06**